SERD Update and Approval Authority REVIEW

Control SERD Versus Application SERD

Control Serd Is The SERD Designated By Chronology (First In) Or By Using the "*Change Of Control*" Screen. It Has The Only Allowable Entries For All SERD Blocks That Are In Control. These Entries Are Tied To The NIIN / NICN And Will Be The Entries On All SERDs On That NIIN.

Application SERDs Are Those Other SERDs Tied To That NIIN / NICN But Not In Control.

All Changes To "Control" Data Elements Should Be Coordinated With All Application Users.

Control Is Planned To Be Expanded To Allowancing List Series, IMRL Remarks, Etc.

SM&R Code

SM&R CODE

SM&R Code, Position 3, Must Match Lowest Maintenance Level (ML)

Under The NIIN, Though It May Be More Restrictive, MLF/LVC - Must Also Match The Lowest Maintenance Level.

SM&R Code, Position 4, OF "O", "F", "H", "G" Means An LSA Entry Other Than No Is Required. The Land / Vessel Code (LVC) Must Be Supported By A Corresponding LVC Within The Designated System.

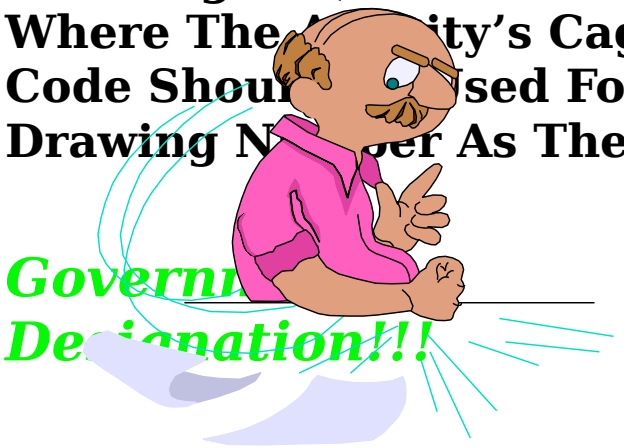
SM&R Code, Position 5, Relates To Recurring Price, For SE Unit Costs Under $5k, It Should Be A “O”, “F”, “H”, “G”, “Z”, OR “A”.

For Unit Cost Over $10k Could Be Same & Also “D”

Part Number / CAGE & Deletion Codes

PART NUMBER/MODEL NUMBER & CAGE (TRUE NOMENCLATURE)

The Part Number And Cage Information Located On The Header Is The Actual SE Manufacturer's Part Number & Cage Assigned To The SE End Item To Be Delivered. "Limited" Exception To The Rule - During SERDing Of (PR Procurements / Government Drawings) Procurements Where The Activity's Cage Or The Government Drawing Number Cage Code Should Be Used For SERDing Along With The PR Number / The Drawing Number As The P/N.



Government Designation!!!

Note: ***It Should Never Be A Type***

DELETION CODES

The ACQ01&02 screens display the Deletion Codes (Del) IE A1, B1-B9, C1, D1, F1, G1, H1, I1, J1, S1 which determine the supply system status of a SERD. The Codes F1, I1 & S1 are NIIN Level Deletions, All Others Are End Article SERD Level Deletions Appropriate Only To That End Article.

SE Physical Characteristics; Recurring Unit Price; Production Lead Time

All SERDs Must Have Size, Weight, Material & Finish, Production Lead Time, And Price Data To Be Processed by NAVICP.

Unrealistic Entries, Such As $1 For A Repairable Item Or .1 X .1 X .1 Size At 2,000 Pounds, Will Be Disagreed With By NAVICP And Require A SERD Revision To Clear It.

The NAVICPs Will Accept Engineering Estimates Of Wt/Cube And Unit Cost/Production Lead Time Provided You Identify It As An Estimate In The Remarks Section.

ARO REQUEST & CONTROL SERD APPROVAL INDICATORS

ARO REQUEST / CHANGE PROCESS

To Change Acquisition Review Office Authority For An End Article From One Activity To Another Requires A Letter To NAVAIR PMA-260. PMA-260 Makes The Determination Of Approval/Disapproval And Then Issues A Decision Letter. Approvals Will Include Tasking the NAWCADLKE AUTOSERD Program Group With Updating The ARO End Article Table With That Activity Code For The Approved End Article(s).

CONTROL SERD APPROVAL INDICATORS

Only the Control SERD Needs to Be Approved for the NIIN Approval Indicator ='Y'. If Some SERDs Under a NIIN Are NAVICP Approved and There Is Another SERD Under That NIIN Still Pending -- the NIIN Approval Ind Is Still "Y". The SERD Approval Is Separate From This Process.

SERD Tab Price vs NIIN Tab Equipment Value

SERD Tab has the original price proposed at SERD submittal time. *This price is NOT passed to SERMIS.* This price does not get updated as it provides the estimated unit price at the time the SE was first brought into the inventory. Price inflation factors can be applied against this price to get a current estimated price!

NIIN Tab Equipment Value is the current price known to NAVICP's MIF and *is passed to SERMIS*. The field gets adjusted whenever either a new buy (by NAVICP) is done or NAVICP runs their annual price escalation. Additionally, a change can be requested by the WSM for the equipment value to be changed due to WSM procurement information. NOTE – NAVICP (by NAVSUP direction) requires the Contract Number, Contract Mod, and any specifics possible on the procurement justifying the price change. WSMs should fax / email copies of supporting documentation to NAVICP for faster TAT. (Otherwise NAVICP will need to obtain a copy of the mod to justify the MIF file update

LIST CODE ASSIGNMENT

SERD Preparers/evaluaters Should Always Review AUTOSERD NIIN Level Summary For List Series Through The ACQ03 Screen To Ensure Allowancing In The Proper List Series.

Applications That Cross Multiple List Series For The Same Model Cause Multiple Authorized Allowances.

Allowances Within The Same List Series Are O.K.

Exception Is The R5 List Series Where The Basic List Code R5xxx Is Allowanced With Configuration List Code R5xxx-x. This Causes Dual Allowancing.

Note: Allowances Should Never Be For Just The CN (Training) List Series.

MULTIPLE ALLOWANCING CAUSED BY ERRONEOUS LIST CODE ASSIGNMENT EXAMPLES

F/A-18C10 Model @ “I” Level In R5230 And G0884 For Same NIIN. Allowance Computed For R5 List Series And Added To Allowance For GO List Series Which Equals Dual Allowance.

CH-53E Model @ “I” Level In R5571 And R5571D For Same NIIN. R5571 Covers All H-53 Models And R5571D Covers Items Peculiar To The Ch-53E Only.

F/A-18C10 Model @ “I” Level In R5230 And FE600-3 For Same NIIN. Allowance Computed For R5 List Series And Added To Allowance For FE List Series Equals Dual Allowance.

FOOD FOR THOUGHT:

“To do a job RIGHT, You need the RULES, TOOLS & PEOPLE”

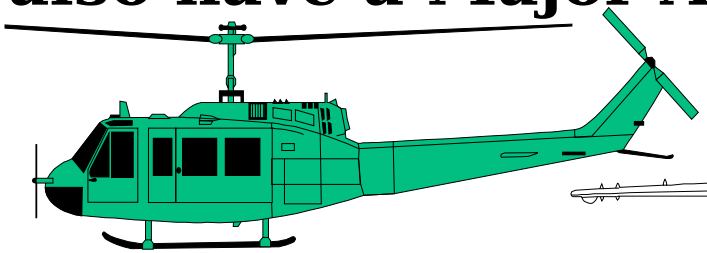
We are here to assist YOU in learning the rules, showing you what and where the TOOLs are.

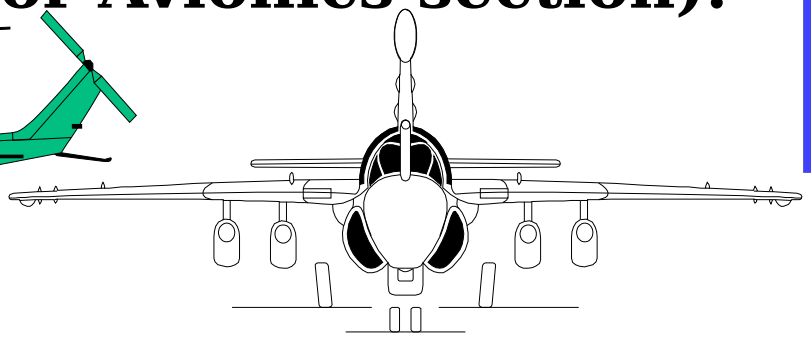
End Article Definition

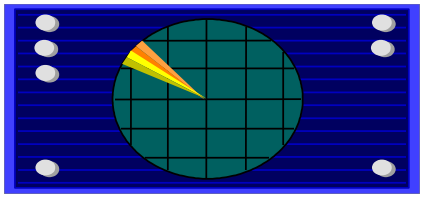
End Article:

The top level End Weapon System or other Equipment being procured on a Contract. IE: Aircraft (F/A-18), Weapon (AIM7), Engine (F404), etc or an Government Furnished Aircraft System (AN/ARC210 Radio), or a Major SE End Item (CASS = ANUSM636)

The contract provides the specification for the End Article (Aircraft contracts have a detail contract specification listing all systems included with the quantities of systems installed, most also have a Major Avionics section).







NACES Field O/I Level Test Set

SE End Item Definition

Support Equipment (SE) (formerly referred to as Support and Test Equipment (S&TE)) is the equipment required to maintain an End Article, system or facility operational in its intended environment; and includes the necessary equipment to test, measure, diagnose, calibrate, handle, secure, and repair systems, sub-systems, components, and equipment. SE includes, but is not limited to: Special Purpose Test Equipment (SPTE), Calibration Equipment, General Purpose Electronic Test Equipment (GPETE), and Automatic Test Equipment (ATE). SE is a part of the mandatory Integrated Logistics Assessment program required by

Types of SE End Items

Airframes

- Aircraft Handling Vehicles
- Aircraft Crash Salvage
- Electrical Servicing
- Hydraulic Servicing
- Hydraulic Maintenance
- Aircraft Maintenance
- Platforms
- Life Support/Cryogenics
- Non-Destructive Inspection
- Corrosion Control

Armament

- Armament Loading
- Armament Transport

Propulsion

- Engine Test Systems
- Engine Maintenance

Pollution Prevention

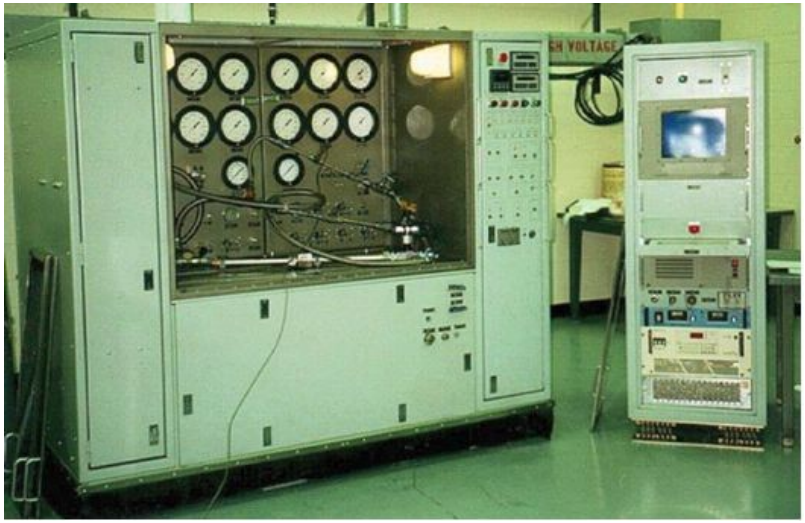
- Painting/Surface Preparation
- Washing Operations
- Aircraft Maintenance
- Facility Recycling

Avionics

- Electronic Warfare
- Weapons Control
- Communications
- Electro-Optics
- Software Loading
- Navigation
- Maintenance Data Processing
- Instrumentation
- Radar
- Aircraft Wiring

ATE

- Avionic Test Set (ATE)
- Hybrid Test System (HTS)
- Intermediate Avionics Test Set (IATS)
- Radar Set Test Station (RSTS)
- Electro-Optic Test Set (EOTS)
- Consolidated Automated Support System (CASS)



CSE End Item Definition

COMMON SUPPORT EQUIPMENT (CSE) - Comprised of only those general purpose items supplying or measuring broad parameters of physical properties that are known to be established in the using service's inventory, for example, ground electrical, pneumatic, and hydraulic power units; towing, hoisting, and fueling devices; signal generation devices; and voltage, amperage, and phase measuring devices. The application of SE items to other end items, systems, or components does not in itself justify or classify the items as CSE. CSE is divided as AVIONICS SE (common and peculiar) and NON AVIONICS SE (common and peculiar).

Flight Deck Equipment -- An Example of CSE

Flight Deck Equipment includes:

- Tow tractors
- Hydraulic power suppli
- Electric power plants
- Mobile air conditioners
- Nitrogen servicing cart
- Weapons hoists
- Jet air start units
- Salvage cranes
- Fire trucks

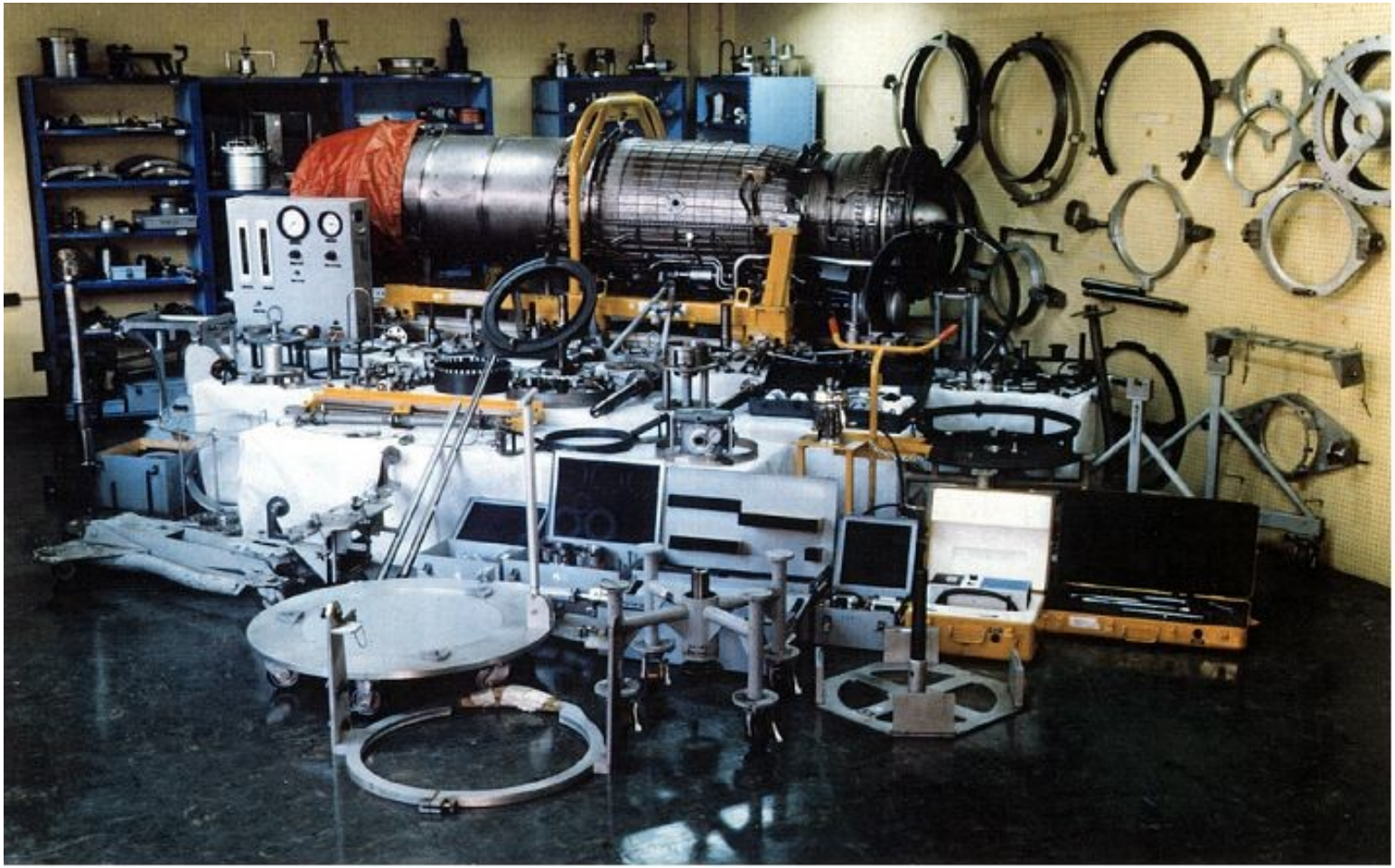
PSE End Item Definition

PECULIAR SUPPORT EQUIPMENT (PSE) - An item of SE that must be designed and developed in conjunction with the development of a specific weapons system and does not meet the criteria of CSE. PSE is divided as Avionics SE (common and peculiar) and Non-Avionics SE (common and peculiar).

Source: OPNAVINST 4790.2H, THE NAVAL AVIATION MAINTENANCE PROGRAM

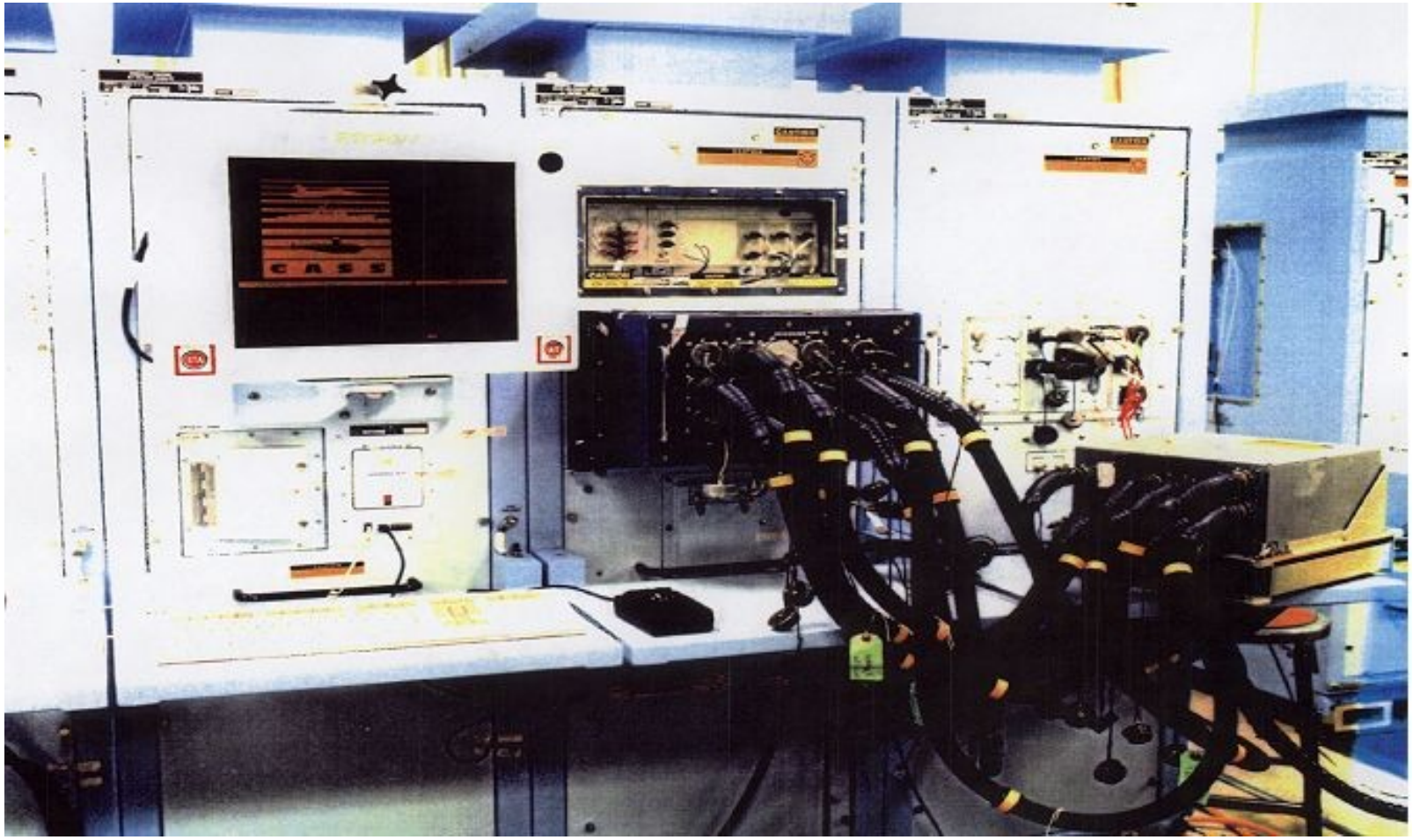
F404 Engine Support Equipment -- An Example of PSE

Over 1,000 PSE items are required to service and repair the F404 jet engine



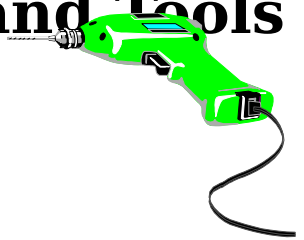
The Consolidated Automated Support System (CASS) and Test Program Sets (TPS) -- An Example of PSE Working with CSE

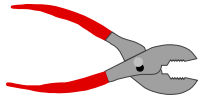
While CASS is the Navy's primary common avionic test system, each unit under test require its own peculiar TPS



Equipment Excluded From The Definition of SE:

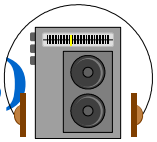
- Common Powered and Nonpowered Hand Tools





- Housekeeping Items
- Office Furniture and Equipment and Items Common to A

- Common Production Tools and Tooling (A.K ST
- Items Used Only by the Contractor (Factory Test Equipm
- Personal Equipment (e.g., Headsets, Microphones)



- Off-Line Automatic Data Processing (ADP) Equip

NOTE: MOD Kits ARE NOT ST

These equipments are all managed under different allowance lists!

CLARIFICATION of DEPOT SE vs. SPECIAL TEST EQUIPMENT/PRODUCTION TOOLING (Provided by PMA-260 D. Albrecht)

"Test figures and jigs used to produce a weapon system are usually identified as STE (special test equipment) or "plant equipment" that is procured as a line item on a weapon system contract that is tracked by the local DCMC as government owned contractor furnished property.

When I worked on the EA-6 program, there was a large volume of this type of gear (STE) that was bought by the prime contractor as part of the nonrecurring cost of the aircraft and was tracked as such under that contract. There was some level of reporting (very minimal) that was tracked by the program's GFE manager at the time and DCMC.

If you have to provide this gear as a required item in order to perform DEPOT MAINTENANCE on a weapon system, then the item should be SERDed as depot SE for the weapon , with its need called out in the depot maintenance pub / rework spec for the weapon. At a minimum - drawings for the depot SE item could also be called out in the depot maintenance pub/rework spec and maintained by the weapon system FST."

LSA / MP???

The LSA process is tailored in accordance with the maturity of the system/equipment design. The LSA provides a foundation for the Integrated Logistics Support (ILS) program by generating source data and maintenance plans, which will direct other ILS elements such as training, technical publication and provisioning. The source material will be identified during the development of a maintenance philosophy through the implementation of the LSA itself. The maintenance philosophy should adopt and concur with the program maintenance concept and ensure that supportability requirements are considered and incorporated into the design of an equipment/system.

LSA / LSAR / MP???

The LSAR is a Logistics Engineering tool and is populated with various logistical and RAM data. The logistical data will include all of the data associated with both corrective and preventative maintenance tasks. The items required to support each maintenance task will also be identified. This would normally include spare parts, tools and support equipment (standard and special) and personnel.

The results of the LSA tasks will determine whether or not an item is repaired or discarded. This will allow for a Maintenance Task Analysis to be conducted. The LSA results, detailing all the support resources needed to conduct the identified CM/PM tasks, are generally presented

LSA / LSAR / MP???

ILS output reports could be made available from the LSAR database. The following are examples of the LSAR standard reports, which can be furnished using a validated MIL-STD-1388 database:

- **LSA 019 Maintenance Task Analysis Summary**
- **LSA 023 Maintenance Plan Summary**
- **LSA 024 Maintenance Plan**
- **LSA 025 Packaging Requirements Data**
- **LSA 036 Provisioning Requirements**
- **LSA 056 Failure Mode, Effect and Criticality Analysis (FMECA)**
- **LSA 070 Support Equipment Recommendation Data (SERD)**
- **LSA 074 Support Equipment Tool List**

Support Equipment Recommendation Data

NAVAIR defines the responsibility and policy for the selection, design, approval, ordering, delivery, and logistics support of SE.

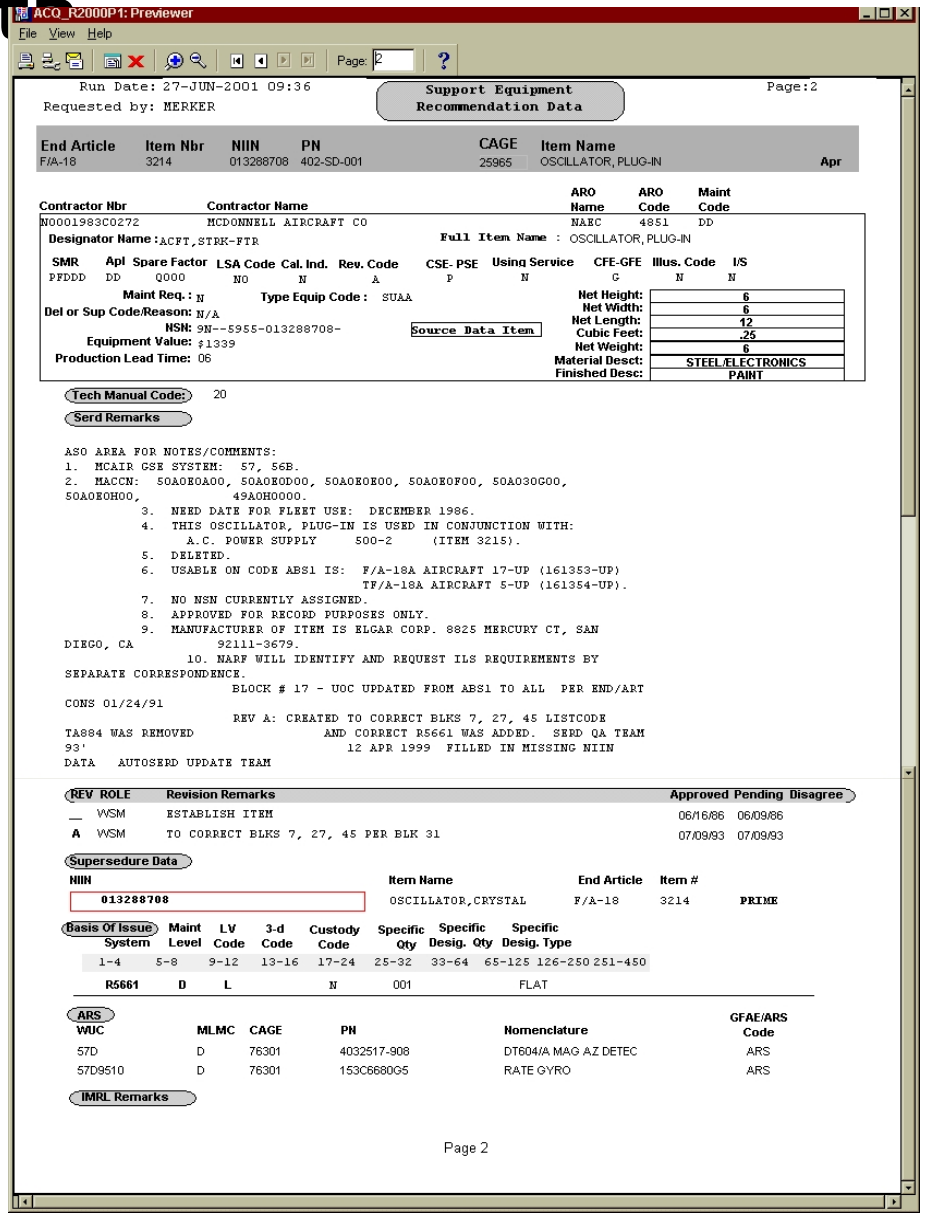
NAVAIRINST13600.1 - Acquisition of SE

To ensure availability of SE when systems become "operational", the Navy implemented the "SERD and SERD process".

SERD is a compilation of data that describes a Support Requirement for a specific item of Aviation Support Equipment.

SERD is the Primary data record of Support Equipment for the:

Design, Development, ILS, Allocation, Supersedure (configuration management)


ACQ_R2000P1: Previewer

File View Help

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Run Date: 27-JUN-2001 09:36
Requested by: MERKER

Support Equipment Recommendation Data

Page:2

End Article	Item Nbr	NIIN	PN	CAGE	Item Name	
F/A-18	3214	013288708	402-SD-001	25965	OSCILLATOR, PLUG-IN	Apr

Contractor Nbr	Contractor Name	ARO Name	ARO Code	Maint Code
N0001983C0272	MCDONNELL AIRCRAFT CO	NAEC	4851	DD

Designator Name: ACFT,STRK-FTR
Full Item Name : OSCILLATOR, PLUG-IN

SMR	Apl	Spare Factor	LSA Code	Cal. Ind.	Rev. Code	CSE- PSE	Using Service	CFE-GFE	Illus. Code	I/S
PFDDD	DD	Q000	NO	N	A	P	N	G	N	N

Maint Req.: N
Type Equip Code: SUAA
Del or Sup Code/Reason: N/A
NSN: 9N--5955-013288708-
Source Data Item
Equipment Value: $1339
Production Lead Time: 06

Net Height:	6
Net Width:	6
Net Length:	12
Cubic Feet:	.25
Net Weight:	6
Material Descr:	STEEL/ELECTRONICS
Finished Desc:	PAINT

Tech Manual Code: 20

Serd Remarks

ASO AREA FOR NOTES/COMMENTS:
1. MCAIR GSE SYSTEM: 57, 56B.
2. MACCN: 50A0E0A00, 50A0E0D00, 50A0E0E00, 50A0E0F00, 50A030G00, 50A0E0H00, 49A0H0000.
3. NEED DATE FOR FLEET USE: DECEMBER 1986.
4. THIS OSCILLATOR, PLUG-IN IS USED IN CONJUNCTION WITH: A.C. POWER SUPPLY 500-2 (ITEM 3215).
5. DELETED.
6. USABLE ON CODE ABS1 IS: F/A-18A AIRCRAFT 17-UP (161353-UP) TF/A-18A AIRCRAFT 5-UP (161354-UP).
7. NO NSN CURRENTLY ASSIGNED.
8. APPROVED FOR RECORD PURPOSES ONLY.
9. MANUFACTURER OF ITEM IS ELGAR CORP. 8825 MERCURY CT, SAN DIEGO, CA 92111-3679.
10. NARF WILL IDENTIFY AND REQUEST ILS REQUIREMENTS BY SEPARATE CORRESPONDENCE.

BLOCK # 17 - UOC UPDATED FROM ABS1 TO ALL PER END/ART CONS 01/24/91

REV A: CREATED TO CORRECT BLKS 7, 27, 45 LISTCODE TA884 WAS REMOVED AND CORRECT R5661 WAS ADDED. SERD QA TEAM 93'
12 APR 1999 FILLED IN MISSING NIIN
DATA AUTOSERD UPDATE TEAM

REV	ROLE	Revision Remarks	Approved	Pending	Disagree
__	WSM	ESTABLISH ITEM	06/16/86	06/09/86	
A	WSM	TO CORRECT BLKS 7, 27, 45 PER BLK 31	07/09/93	07/09/93	

Supersedure Data

NIIN	Item Name	End Article	Item #	
013288708	OSCILLATOR,CRYSTAL	F/A-18	3214	PRIME

Basis Of Issue	Maint Level	LV Code	3-d Code	Custody Code	Specific Qty	Specific Desig. Qty	Specific Desig. Type		
System									
1-4	5-8	9-12	13-16	17-24	25-32	33-64	65-125	126-250	251-450
R5661	D	L		N	001		FLAT		

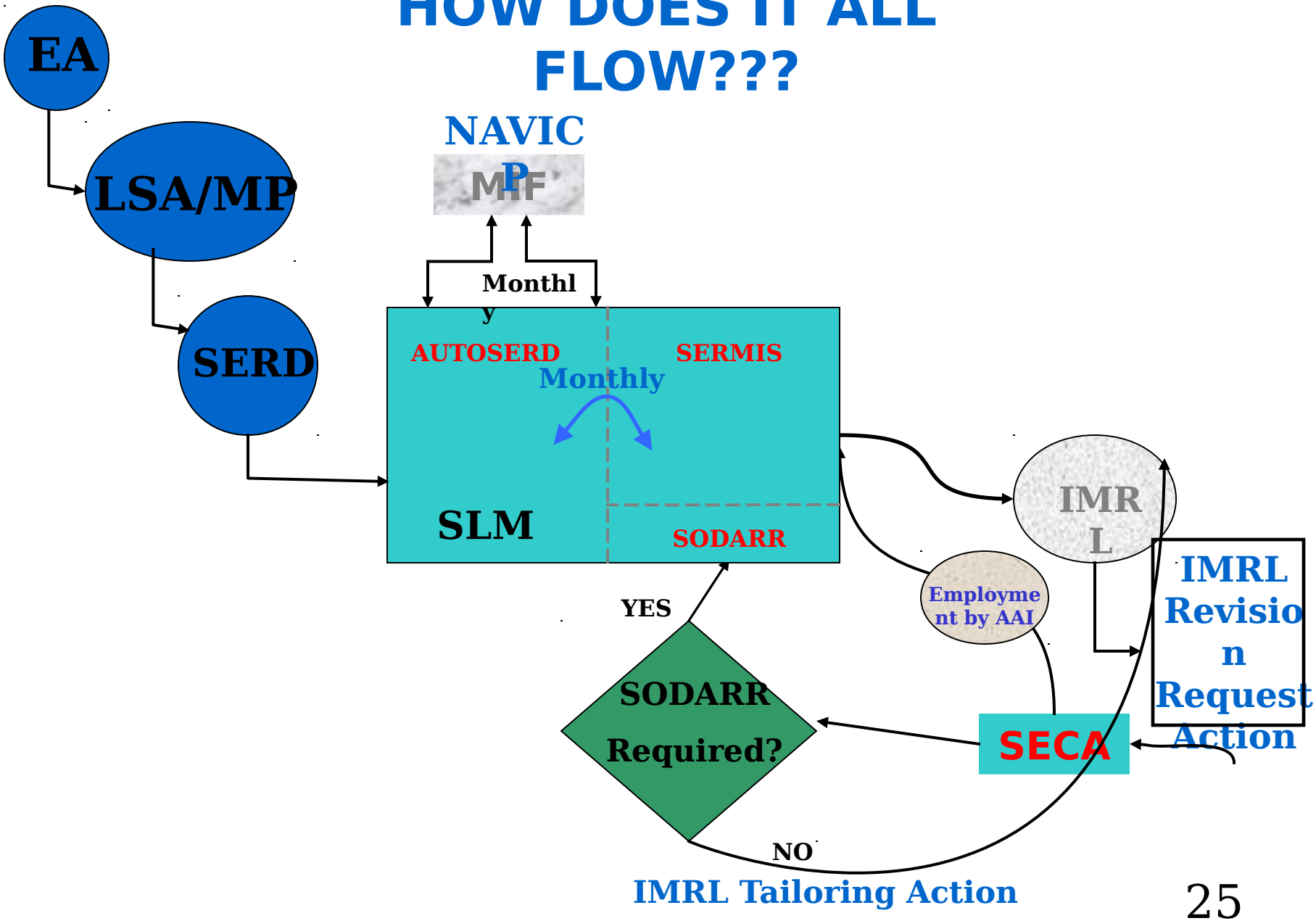
ARS

WUC	MLMC	CAGE	PN	Nomenclature	GFAE/ARS Code
57D	D	76301	4032517-908	DT604/A MAG AZ DETEC	ARS
57D9510	D	76301	153C6680G5	RATE GYRO	ARS

IMRL Remarks

Page 2

SOURCE Data
HOW DOES IT ALL FLOW???



SOURCE DATA HOW DOES IT ALL FLOW???

Starting out with an **End Article** – say an F/A-18.

MCAIR (Now BOEING) performs an **LSA / Maintenance Plan** on the End Article which generates maintenance tasks to be performed. These tasks need SE End Items enable maintainers to perform the tasking.

SERD is the document defining the End Item of SE, its ILS, allocation, etc.

AUTOSERD is the computer system that initiates SE requirements for **NAVICP**'s MIF and the **SERMIS** system.

SECAs add employment data to SERMIS. **Employment data** consists of the unique site identifier (aka AMMRL Activity Indicator or AAI), The types and quantities of aircraft at the site, the maintenance levels being supported at that site and any systems that won't be supported their (aka Exceptions).

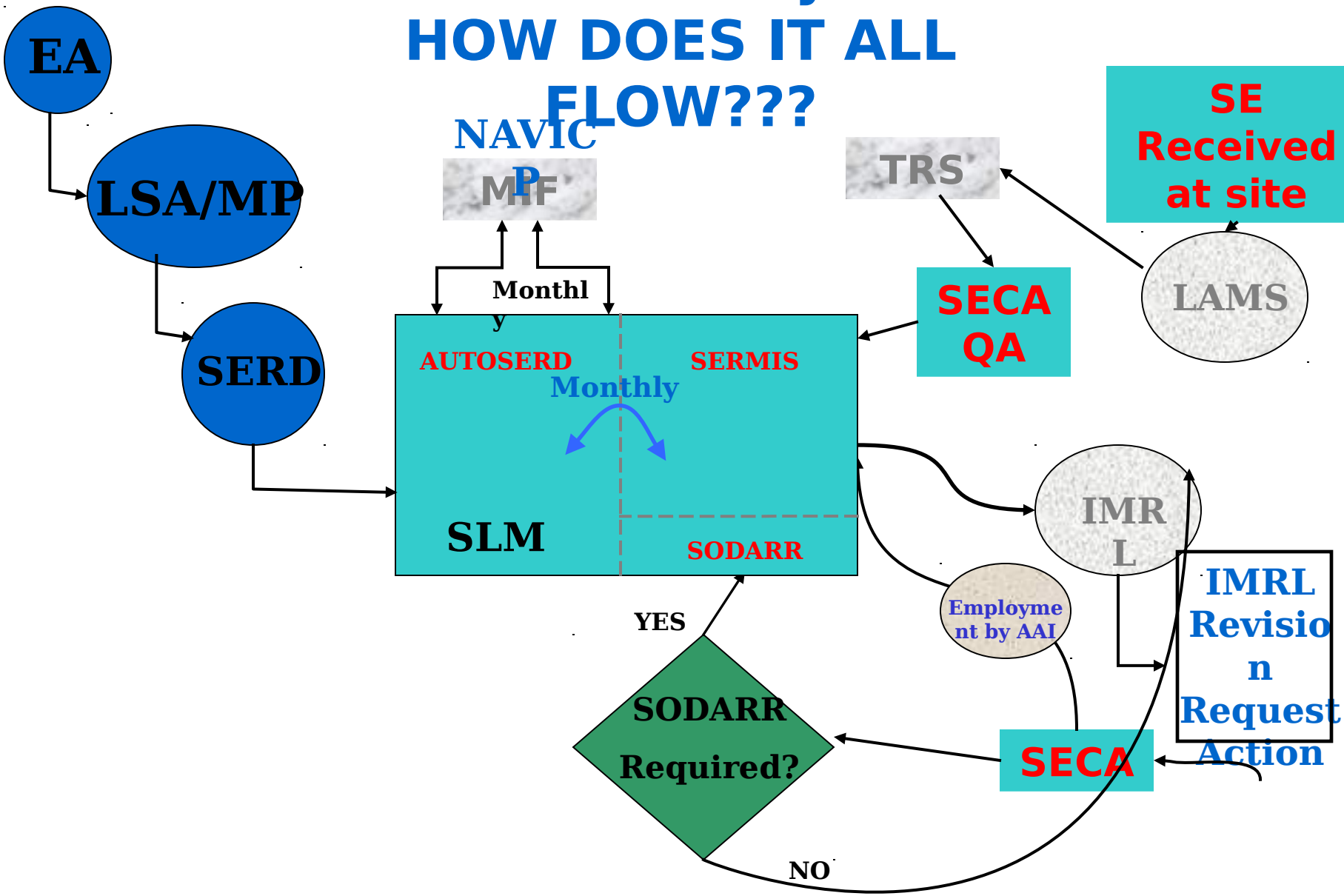
IMRL is the resultant output of all the SE required at a site to perform the specified maintenance based on that employment data and the Source Data from AUTOSERD for every SE NIIN.

IMRL Revision Requests are generated by a specific IMRL activity for SE it either needs and isn't authorized through the IMRL, or SE authorized that the site no longer needs or for changes to specific data such as quantity, ML, Aircraft application, etc.

SECAs review the IRR and determine its validity. When approved, the SECA then determines if it is a local issue or global. For those site unique or local issues, the SECA may tailor the requirement.

For global (across the entire fleet application of the proposed change, the SECA creates a **SODARR** (SERMIS Source Data Revision Recommendation) and forwards

SOURCE Data & Inventory HOW DOES IT ALL FLOW???



SOURCE DATA & Inventory HOW DOES IT ALL FLOW???

LAMS is the initiation point for receipt of SE inventory at a site. All technical documentation for the SE End item is entered onto a Transaction Report (aka TR) – P/N, CAGE, Serial Number, Nomenclature, etc. (Note: LAMS 4.1 populates SE data into TR for items known to source data provided IMRL manager has the source data disk information loaded into LAMS)

TRs are generated by a specific IMRL activity for SE received and then forwarded to their respective SECA for upload into SERMIS..

SECAs review the TRs and once validated, using SECA Tools software, upload the inventory into SERMIS.

Support Equipment Recommendation Data

The End Article contractor (or Government Agency such as NAWCAD Lakehurst, NADEP JAX, CHPT or NORIS, etc) recommends SE by submitting a SERD for Navy review and approval.

Navy evaluators determine the suitability of the proposed SE to perform the required maintenance, determine the logistics support requirements of the SE, determine the application and allocation of the SE and then approve the SERD.

SERD data is then loaded into AUTOSERD and cross edited for those data elements that have a one to one relationship (for example – third position of SM&R code sets lowest level authorized and can be used to cross edit against the maintenance level used to allowance the SE)

Subsequent contracting actions lead to the acquisition of the recommended SE End Items and the Integrated Logistics Support required for that End Item.

SOURCE: NAWCADLKE-MISC-3623000-

Purposes of The SERD

Defines Support Requirements for "End Articles" -- The System, Subsystem, or Equipment for which the SE is developed and is documented as the Article Requiring Support (ARS) on the SERD.

Describes Technical and Design Parameters of Specific SE to Satisfy these EA Support Requirements. Specific ranges of measurement or functionality are documented in the remarks section of the SERD.

Defines SE Acquisition Strategy Planning and Logistic Support Data.

Only vehicle that Allows for the Input and Management of SERMIS Source Data.

Major Purposes of The SERD

Initiates Program Support Inventory Control Point (NAVICP)

Actions for SE.

Maintains an SE End Item History.

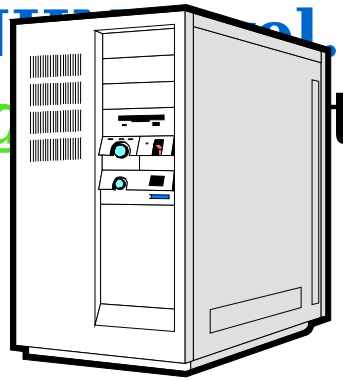
Facilitates Navy Technical Review of Recommended SE.

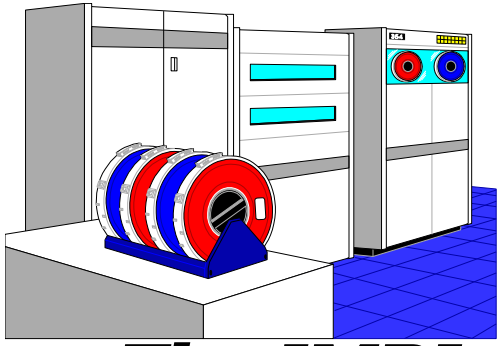
SERD

SE Allowancing/Usage at N… el,

or Providing *Authorized* … the

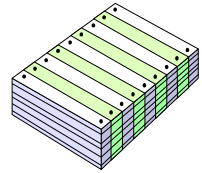
AUTOSERD/MIF





SERMIS

IMRL (Site Specific)



The IMRL Cannot Exist Without the SERD!

Evolution of Old SERD Formats

Data Lists

WR-5 - PGSE SEL/CGSE SEL

Acquisition (ACQ) -- SE Only

AR-21C - Ground Support Equipment

- (N)UDI-E-21001

- (N)UDI-E-21001E

MIL-STD-2097(AS) - Support Equipment

- (N)DI-ILSS-80039

- (N)DI-ILSS-80039A

ENHANCED SERD

MIL-STD-2097A - Support Equipment

- DI-ILSS-80118

- DI-ILSS-80118A

MIL-STD-1388-2A/B

- DI-ILSS-80118B

- DI-ILSS-80118C

LSA-070 SERD

Logistics -- All Systems

MIL-HDBK-502 Acquisition Logistics

MIL-PRF-49506 Logistics Management Information

DID-ALSS-81529 Data Products

DID-ALSS-81530 LMI Summaries

Evolution of Old SERD Formats

WR-5 Ground Support Equipment lists were segmented into Pecu
Common GSE. Under a platform such as the A-6 or E-2 you would ha
same GSERD item Number with one being PGSE and the other being
asked for A-6 SERD #0021 Which SERD was in question - the PGSE
the CGSE GSERD. This GSERD had 19 fields with 19 being a sketch

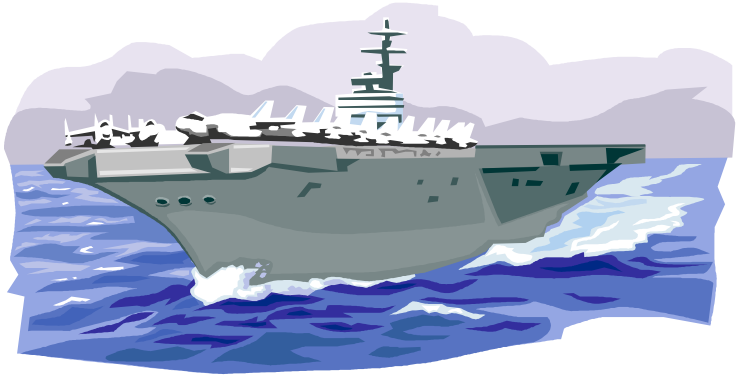
AR-21C format established the requirement that an End Article
one Part Number – CAGE represented by a single SERD item Numbe
designated the document as a SERD vs GSERD. The AR-21C format S
blocks which comprised 78 data elements.

LSA-070 (MIL-STD_1388-2A) SERD formats added design data
ILS fields bringing the total number of data fields on the SERD to 13

LSA-070 (MIL-STD_1388-2B) SERD formats added Parametric
fields bringing the total number of data fields on the SERD to 210.

STANDARDS AND SERD DIDS

Chronology of Standards and SERD DIDS



AR-21C GSE (APR 75)

MIL-STD-1388-2A LSAR (JUL 84)

MIL-STD-2097(AS) (JUL 85)

MIL-STD-2097A (JUN 89)

MIL-STD-1388-2B (DEC 91)

DI-ALSS-81530 LMI Summaries (NOV 96)

NAWCADLKE-MISC 362300-0001 (MAR 97)

1975 1980 1985 1990 1995 2000

UDI-E-21001E GSERD (JUN 76)

DI-ILSS-80118A LSA-070,SERD (JUL 87)

DI-ILSS-80118B LSA-070,SERD (DEC 88)

DI-ILS-80118C LSA-070,SERD (JUN 92)

DID-ALSS-81529 LMI Data Product (NOV 96)

MIL- HDBK-502 MIL-PRF-49506 JAN 1998

WR5 Sample Pg1

PAUL TWELLMEYER

GRUMMAN AIRCRAFT ENGINEERING CORPORATION

SUPPORT EQUIPMENT REQUIREMENT SHEET

PGSE M0340

1. CONTRACTOR GAC	**2. END ARTICLE/NOMENCLATURE/MODEL/TYPE NO.** ☒ F14A ☐ A6A ☐ A6B ☐ A6C ☐ EA6A ☐ EA6B ☐ E2A/B ☐ E2C ☐ C2A ☐ OTHER	**3. CONTRACT NO.** N00019-69-C-0422 **4. MEA CONTROL NO.** 7562520 EXHIBIT X
5. SUPPORT EQUIPMENT NOMENCLATURE Checking Fixture, Loader Unit - M-61A1 Gun AUG. LIST "1" FOR SITE "A" ONLY GOVT. GSE FOR GFE		**6. FSN**
7. REQUIREMENT See Attached Pages.	**8. CAPABILITY** See Attached Pages.	**9. FUNCTION/OPERATION** See Attached Pages.

10. THIS ITEM IS RECOMMENDED FOR MAINTENANCE LEVEL FUNCTION INDICATED

M L F	Specific Article/System/Component by P/N and Nomenclature
I	Loader Unit - P/N 175F952 (MTBF - See attached pages)

NAMT Recommended Quantity: 1 Required

11. SUPPORTING DATA APPLICABLE

Spec. No. Applicable portions of MIL-S-8512B
Proposal No.
Dwg. No.
Other
Work Statement No.
Lead Time (ARO) 12 months

12. DESCRIPTION

Material: Stainless Steel
Finish:
Envelope Dim: 9" x 9" x 15"
Weight: 20 lbs.

SERVICE REQUIREMENTS

None

13. BUDGETARY NON-RECURRING PRICE

Design Engineering	$ 1,900.00
Breadboard/Mockup/Fab/Test	N/A
Proto/Preprod/Fab/Test	N/A
Qualification Testing	N/A
Tooling	N/A
Non-Recurring Total	$ 1,900.00

14. BUDGETARY RECURRING PRICE

$ 9,400.00 Each

For 4 Items

15. F-14A **ITEM NO.** 0078

Item No.
Item No.
Item No.

16. P/N 101D4219
FMC 05606

17. DATE 12/19/69 **REV.**

18. PAGE 1 **OF** 4

19. SKETCH — Separate Sheet

A. LaDuca H. Bannigan Jr. J. Schmitt K. Isabel Joe Cella R. Beaulieu JHW B. W. Vandecher

WR5 Sample Pg2

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M0340

GRUMMAN AIRCRAFT ENGINEERING CORPORATION
SUPPORT EQUIPMENT REQUIREMENTS SHEET

7. REQUIREMENT

The Contractor has determined that a requirement exists for a fixture to check the Loader Unit, P/N 175F952, for the M-61A1, 20 MM Gun. The Loader Unit cycles belted links through the system during initial loading, reloading and maintenance down-loading.

Proper operation of the Loader Unit is dependent upon the position of the sprocket teeth relative to the gear teeth and the position of associated parts in the Unit.

Should an ammunition jam occur during loading, the Loader Unit can sustain damage which cannot be assessed by visual examination. There exists a requirement for a device capable of checking all the operating characteristics of the Loader Unit, plus all interface surfaces between the Loader Unit and Transfer Unit, P/N 175F632.

8. CAPABILITY

A Checking Fixture, P/N 101D4219, which can be mounted on the Loader Unit is designed to fulfill the requirements of Block 7. The Checking Fixture has provisions for:

(1) Checking proper sprocket -gear alignment and determining if damage has occurred to related sprocket-gear pairs.

(2) Determining if unacceptable damage has been sustained at the cast housing mounting points.

(3) Checking sprocket to sprocket relationships.

(4) Holding the Loader in such a manner that all checking can be conveniently performed. A Storage Box is provided to protect the Fixture when not in use.

9. FUNCTION/OPERATION

A. Function

Loader Unit Checking Fixture is to be used in the complete examination of all parts of the Loader Unit which affect the processing of links and ammunition through the Unit, and which affect the attachment of the Loader Unit to the Transfer Unit.

20. ITEM NO. 0078
21. DATE 12/19/69
22. REVISION
23. PAGE 2 OF 4

FORM G965 7/67-3M

WR5 Sample Pg3

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M0340

GRUMMAN AIRCRAFT ENGINEERING CORPORATION
SUPPORT EQUIPMENT REQUIREMENTS SHEET

9. FUNCTION/OPERATION (Continued)

The Transfer and Loader Assembly must be removed from the Aircraft before mounting the Loader Unit Checking Fixture. Suitable hand tools are necessary for the removal/installation of the Assembly from the Aircraft and the removal/installation of the Loader Unit from the Transfer and Loader Assembly.

B. Operation

1.) Mount the Checking Fixture to the Loader Unit after removal of the Loader Unit from the Transfer and Loader Assembly.

2.) Check the sprocket-gear alignment and the relation of sprocket teeth to gear teeth.

3.) With the Go/No-GO Gages check the stripper and the linker sprockets in each of the Unit's timed position.

4.) Checking, timing and alignment procedure must be repeated if any defective components are replaced.

5.) Remove Loader Unit from Checking Fixture and install on Transfer Unit. Place Checking Fixture in Storage Box.

The above operation requires one man for approximately two hours.

10. MTBF - Failure rate available only in terms of Rounds Between Failure (RBF).

Loader Unit - 66,000 RBF

20. ITEM NO. 0078
21. DATE 12/19/69
22. REVISION
23. PAGE 3 OF 4

FORM G965 7/67 5M

WR5 Sample Pg4

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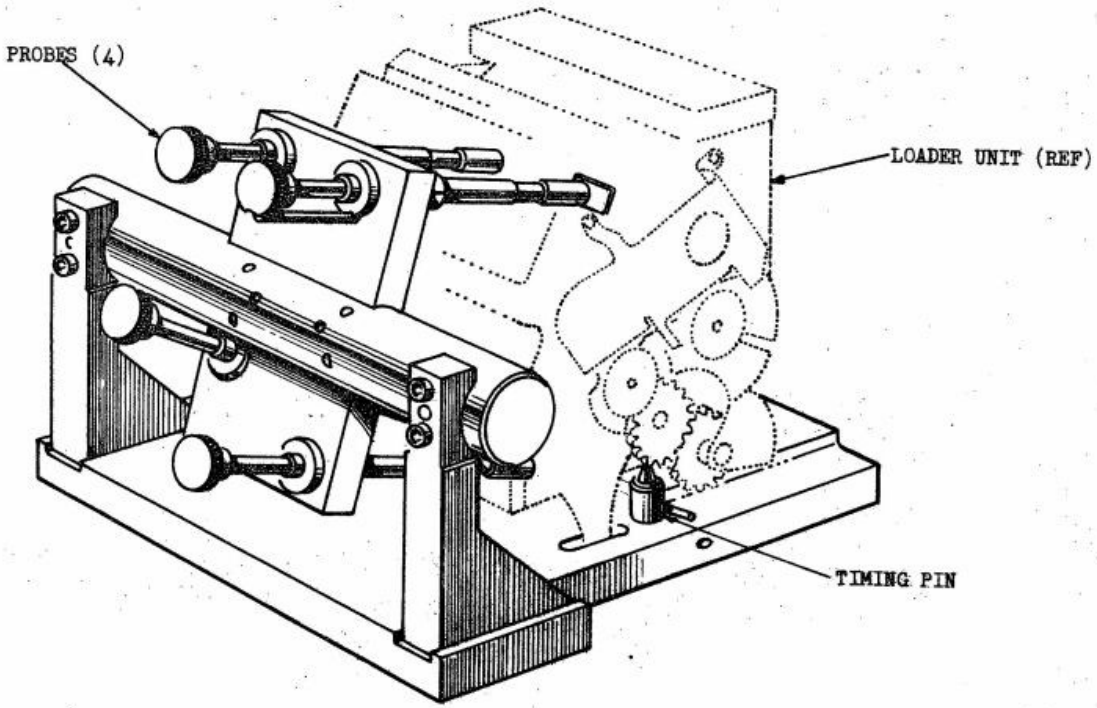
GRUMMAN AIRCRAFT ENGINEERING CORPORATION
SUPPORT EQUIPMENT REQUIREMENTS SHEET

340



P/N 101D4219
CHECKING FIXTURE, LOADER UNIT, M61A1 GUN

20. ITEM NO. 0078
21. DATE 12/19/69
22. REVISION
23. PAGE 4 OF 4

MIL-PRF-49506 – Performance Specification Logistics Management Information

MIL-PRF-49506 – Performance Specification Logistics Management Information, was developed by the Joint Services Technical Working Group under the direction of the Office of the Deputy Undersecretary of Defense for Logistics.

It is the replacement document for MIL-STD-1388-2B (LSAR) and may be used on all future acquisition programs. It provides a contractual method for acquiring support and support related engineering and logistics data from contractors, represents a fundamental change in the way data requirements are levied on contracts, and does not contain any "how to's".

This new specification is designed to minimize oversight and government-unique requirements and allow contractors maximum flexibility in designing systems and developing, maintaining, and providing support and support related engineering data.

The LMI is maintained by the USAMC LOGSA, Redstone

MIL-PRF-49506 – Performance Specification Logistics Management Information

Describes the information required by the government to perform Acquisition Logistics Management functions.

INTENDED USE - This specification contains requirements which are applicable to the acquisition of military systems and equipment. The acquisition logistics management information should be in sufficient detail to allow for program decision making, assessing program status, planning, and ultimately item sustainment. The detail required of this information should be based on program specifics such as, but not limited to, life cycle phase, type of program, hardware complexity, operations and support concept, and degree of program control.

ELECTRONIC DELIVERY OF LMI – Electronic data interchange, online access, and all other automation issues are outside the scope of the MIL-PRF-49506, LMI and must be addressed separately using other appropriate documents such as MIL-STD-1840, Automated Interchange of Technical

DID-ALSS-81529 & DID-ALSS-81530

DID-ALSS-81529 - Data Products

The LMI Data Product(s) consists of data that a requiring authority needs to develop their internal materiel management processes. This data contains information in the areas of provisioning, cataloging, packaging, and support equipment.

Format. The Data Product(s) must be in accordance with the associated format in Appendix B of MIL - PRF - 49506.

DID-ALSS-81530 - LMI Summaries

The LMI Summaries consist of information that a requiring authority can use to perform logistics planning and analysis, assess design status, influence program decisions, and verify contractor performance meets system supportability requirements.

Format. The formats for LMI Summaries are not dictated by MIL - PRF - 49506, but are left to the discretion of the requiring authority and the contractor.

SERD Functional Areas of Expertise

APPROVAL/ACQUISITION REVIEW OFFICE (ARO)

- The authorized SERD and SLM approval activity based on End Article.

TECHNICAL REVIEW OFFICE (TRO)

- The commodity and technology experts who validate requirements and influence the design and use of SE independent of the End Article.

LOGISTIC REVIEW OFFICE (LRO)

- The Logistic Management Specialists who determine the support solution for proposed item of SE.

PMA-260, as the overall SE Management authority, designates field activities to perform this function for assigned End Articles. For other than PMA-260 End Articles, requires that PMA to coordinate changes through PMA-260 (also used for SE Master Plans and SE Metrics reporting)

ARO Functional Areas of Expertise

ARO Responsibilities:

- **Overall administration of Integrated Product Team in support of a specific End Article PMA. Serves the role of Coach, Teacher, Mentor, Trainer, & Facilitator to the Team**
- **Electronically forwarding SERD Notification to IPT Members (TRO, LRO, etc) including other activities (NSWC Corona). Note: Selected Programs are still manually mailing copies of SERDs**
- **Ensuring entry of all government data elements, validation, modification,and correction of data supplied by contractor, TRO, and LRO**
- **When SERD is in control, evaluates design approach for all recommended applications of the SE, Validation of SE NIIN Allowances to ensure avoidance of dual allowancing, and sets Custody Codes for all applications.**
- **Administration of Acquisition and Logistic support considerations**

TRO Functional Areas of Expertise

TRO Responsibilities:

- **Evaluate proposed SE against Existing SE and Commercial off the Shelf SE**
- **Determine if the proposed SE support solution is optimal and proposes alternative support solutions if proposal is not optimal.**
- **Determines whether any qualification testing is required (IE EMI)**
- **Validates SE requirement against the EA's MP / LSA**
- **Develops 3rd position of SM&R Code based on EA MP/LSA Maintenance Level tasking.**
- **Develops 6th position of SM&R Code based on EA MP/LSA tasking.**

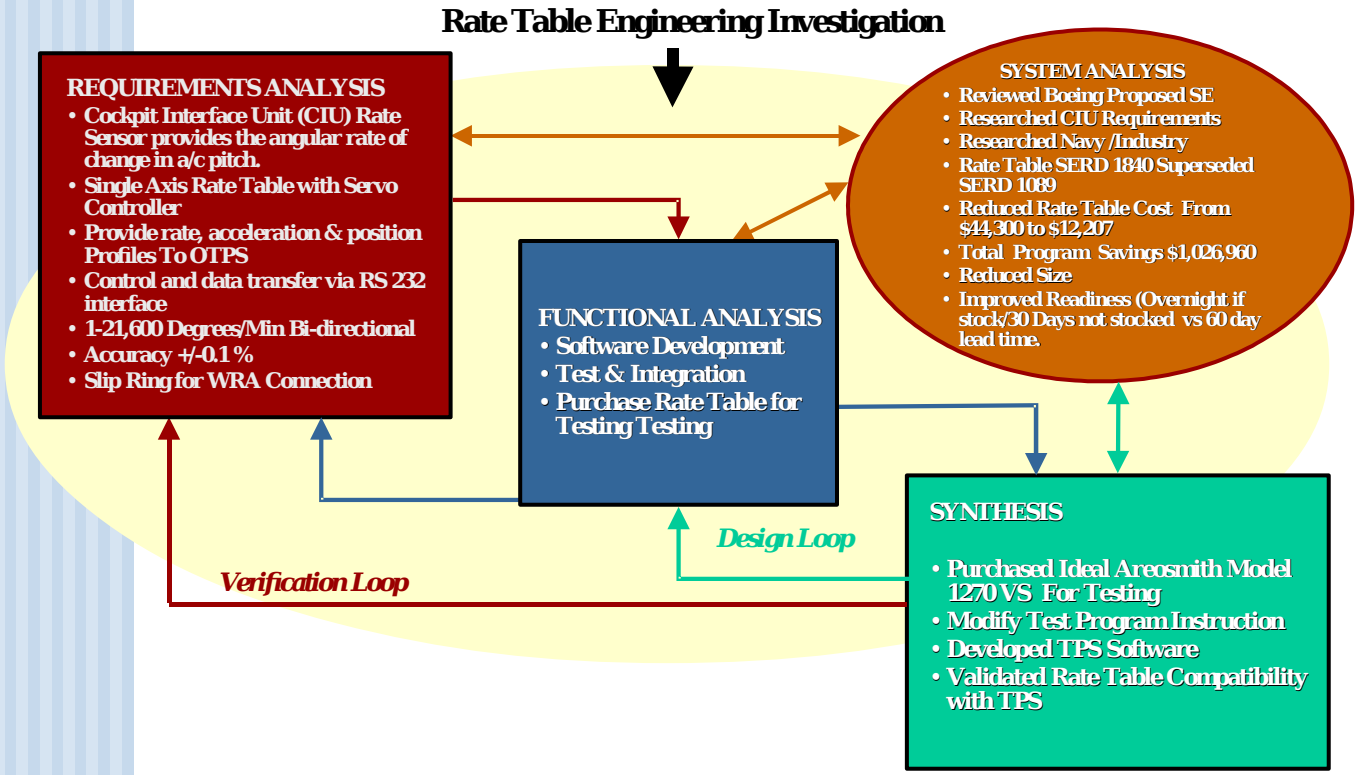
SUPPORT EQUIPMENT IPT

TRO Example

Avionics SERD Process Example

NAVAIR

SE Engineering Analysis


Rate Table Engineering Investigation
REQUIREMENTS ANALYSIS
• Cockpit Interface Unit (CIU) Rate Sensor provides the angular rate of change in a/c pitch.
• Single Axis Rate Table with Servo Controller
• Provide rate, acceleration & position Profiles To OTPS
• Control and data transfer via RS 232 interface
• 1-21,600 Degrees/Min Bi-directional
• Accuracy +/-0.1 %
• Slip Ring for WRA Connection
SYSTEM ANALYSIS
• Reviewed Boeing Proposed SE
• Researched CIU Requirements
• Researched Navy /Industry
• Rate Table SERD 1840 Superseded SERD 1089
• Reduced Rate Table Cost From $44,300 to $12,207
• Total Program Savings $1,026,960
• Reduced Size
• Improved Readiness (Overnight if stock/30 Days not stocked vs 60 day lead time.
FUNCTIONAL ANALYSIS
• Software Development
• Test & Integration
• Purchase Rate Table for Testing Testing
Design Loop
Verification Loop
SYNTHESIS
• Purchased Ideal Areosmith Model 1270 VS For Testing
• Modify Test Program Instruction
• Developed TPS Software
• Validated Rate Table Compatibility with TPS

Summary: SE Process Review Resulted in Total Program Savings of $1M

LRO Functional Areas of Expertise

LRO Responsibilities:

- **Develops initial Source, Maintenance and Recoverability code (SM&R) 4th/5th position systems.**
- **Performs formal Level of Repair Analysis on SE.**
- **Defines Technical manual requirements for SE (IE standalone SE pub or incorporate into Weapon Systems pub)**
- **Provisioning support of repairable SE End Items**
- **Establishes and maintains ILIDS entries**
- **Plans, Budgets and order/creates Logistics Products IAW approved Maintenance Philosophy on Proposed SE.**

ILIDS
Description

The Integrated Logistics Information Data System (ILIDS) contains critical non-classified information and provides the status of logistics elements for the acquisition of Peculiar Support Equipment (PSE) and Common Support Equipment (CSE), while also providing logisitics planning, status and delivery.

ILIDS tracks Milestone significant dates such as the Scheduled and Actual Initial Operational Capability (IOC), SE Delivery, Maintenance Plan Delivery and Approval, Interim Support Items List (ISIL) Delivery, Material Support Date (MSD), Training and Funded Delivery, Calibrations Measurement Requirements Summary (CMRS) Funded, Delivery and Approval, and Provisioning Technical Documentation Delivery which identifies acquisition milestones and dates during generation and provisioning of data for NAVICP. It not only serves as a status tracking system, but is also the

AUTOSERD Description

The AUTOSERD system along, with the SERD process provides a consistent and coordinated SE requirement determination process and passes accurate SE source data to SERMIS for production of the Individual Materials Readiness Lists (IMRLs). IMRLs identify fleet activity SE requirements, provide a basis for SE procurement, and aid decisions on overall readiness posture, budget forecasts, and redistribution of assets.

AUTOSERD facilitates the SERD review and approval amongst the Naval Air Systems Command (NAVAIR) and it's cognizant field activities along with the Naval Inventory Control Points (NAVICP) in Philadelphia and Mechanicsburg as defined in the AMMRL Program Instruction (NAVAIRINST13650.1C). AUTOSERD interfaces with NAVICP's Master Item File (MIF) and is the sole source of input for requirements data to the Aircraft Maintenance Material Readiness List (AMMRL) program's Support Equipment Resources Management Information System (SERMIS).

AUTOSERD Functions

- The primary computer system for data collection and transfer of Aviation Support Equipment (SE) requirements and acquisition information
- Maintains SE requirements that are documented in support of aircraft, missiles, weapons systems, installed avionics, engines, and other End Articles for high operational readiness
- Is an online, real-time system which provides immediate and accurate SE information for Field activity and NAVICP Philadelphia and Mechanicsburg technical personnel to review and analyze SE data
- SERD input/approval by Naval Aviation Depots in North Island, Jacksonville & Cherry Point; the Naval Air Warfare Center Weapons Division in Pt Mugu; Naval Surface Weapons Center in Crane and the Naval Air Warfare Center Aircraft Division in Lakehurst, input and approve SERDs
- Capability for SERD input/approval by additional Navy users at other NAVAIR locations is resident in

AUTOSERD Benefits

Accurate Source Data

AUTOSERD XEDITs validate direct relationships. Technical and logistics personnel perform additional manual quality assurance using program expertise and knowledge of general relationships. QA capability also can be invoked at the NIIN or End Article (PMA) level or for all new SE End Items.

Through put TAT to NAVICP completion

Accurate SERD data reduces NAVICP processing time / Work-Hours. Reduced NAVICP processing time expedites updates to NAVICP files and SERMIS (IMRL)

Expeditious transmission of accurate data to SERMIS

Accurate/up-to-date IMRL data (requirements, allowance, applications, physical characteristics, etc) and accurate/up-to-date IMRL manager inventory = cost savings (identifies only the required and on-hand SE for each activity to accomplish their mission). Accurate input for aviation consolidate[illegible]lidated allowance list (SHORCAL) for spares/GFAE requirements.

RESULTING IN INCREASED FLEET READINESS

SEMS (AUTOSERD & SERMIS) Benefits

- Improved Decision Making
- Multi-Tasking
- Raises SERD Processor Proficiency
- Acquisition Community SME mechanism for knowledge creation, capture, reuse and update.
- Graphical User Interface
- Embedded Tools
- Historical Cost Information
- Overcomes Geographical boundaries
- SE MARKET PLACE for program execution, ACQ management, Logistics Support Planning, Etc.

AUTOSERD/MIF INTERFACE

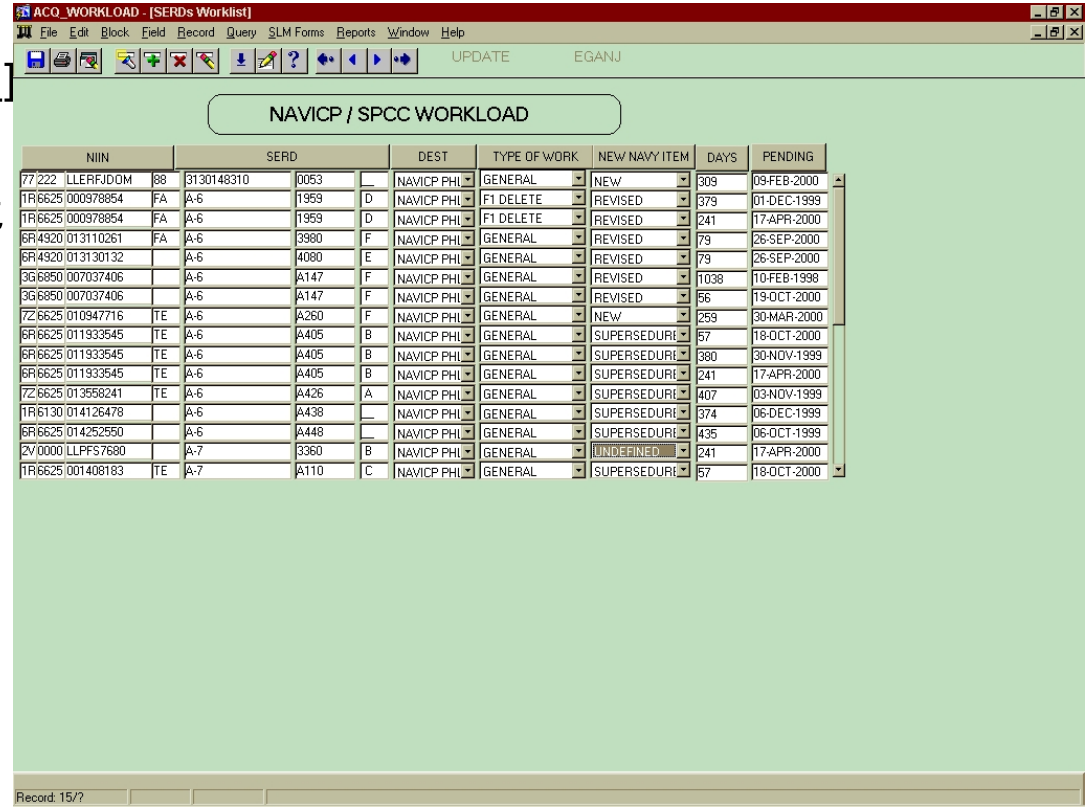
NAVICP performs SERD processing prioritization via NAVICP's AUTOSERD workload screen. The screen may be sorted by and NAVICP may work SERDs in groups (such as by NIIN or by type of work).

NAVICP sorts SERDs by type of work groups as SDAWR, ASERD, Deletes, CN List

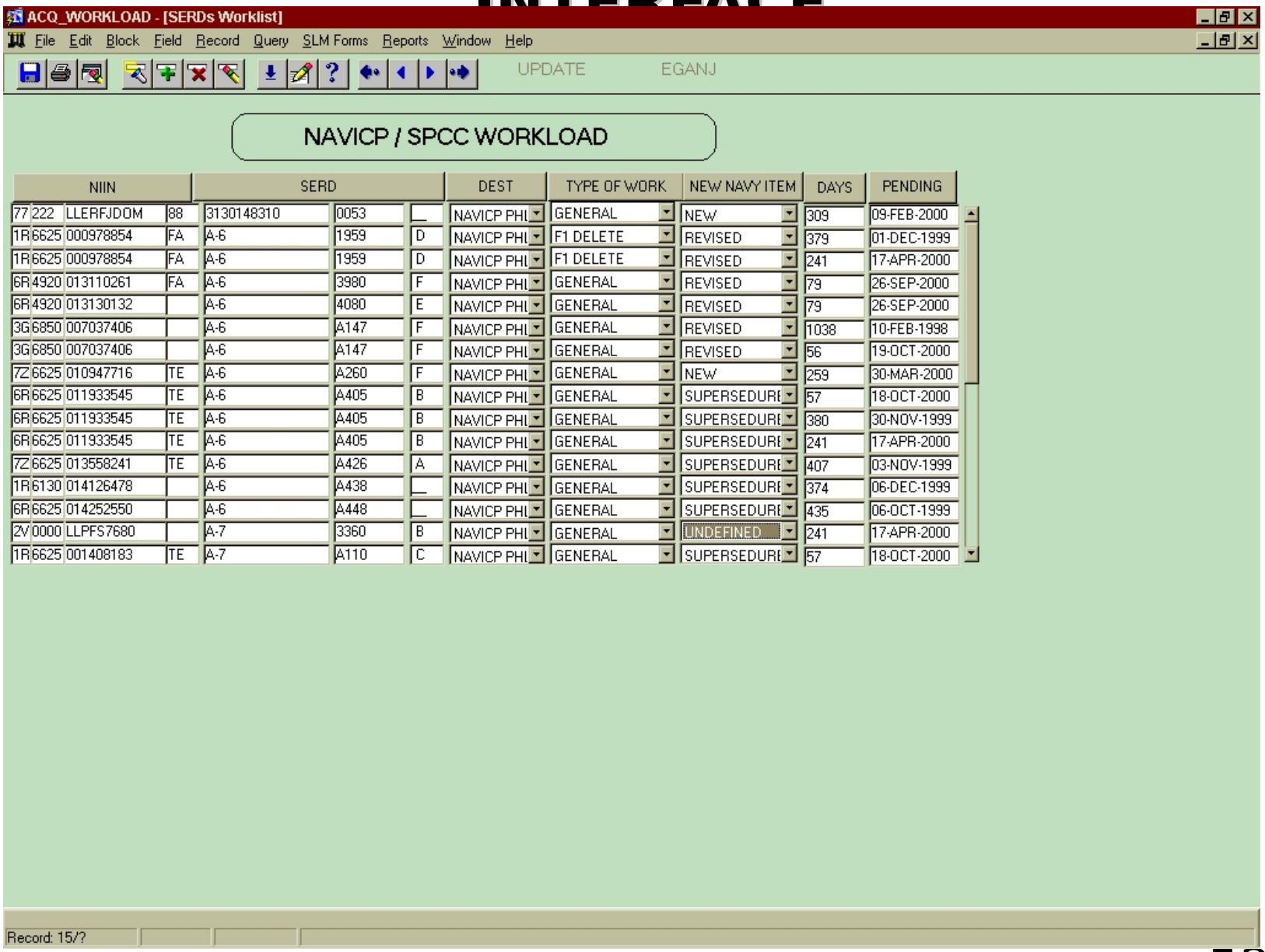
-- NAVICP receives SERD, Deletes, CN List immediately upon WSM approval (or after QA if invoked).

-- NAVICP performs MIF updates using FMT (File Management Tool)

-- SERDs are held in the status of pending still until NAVICP's approval.



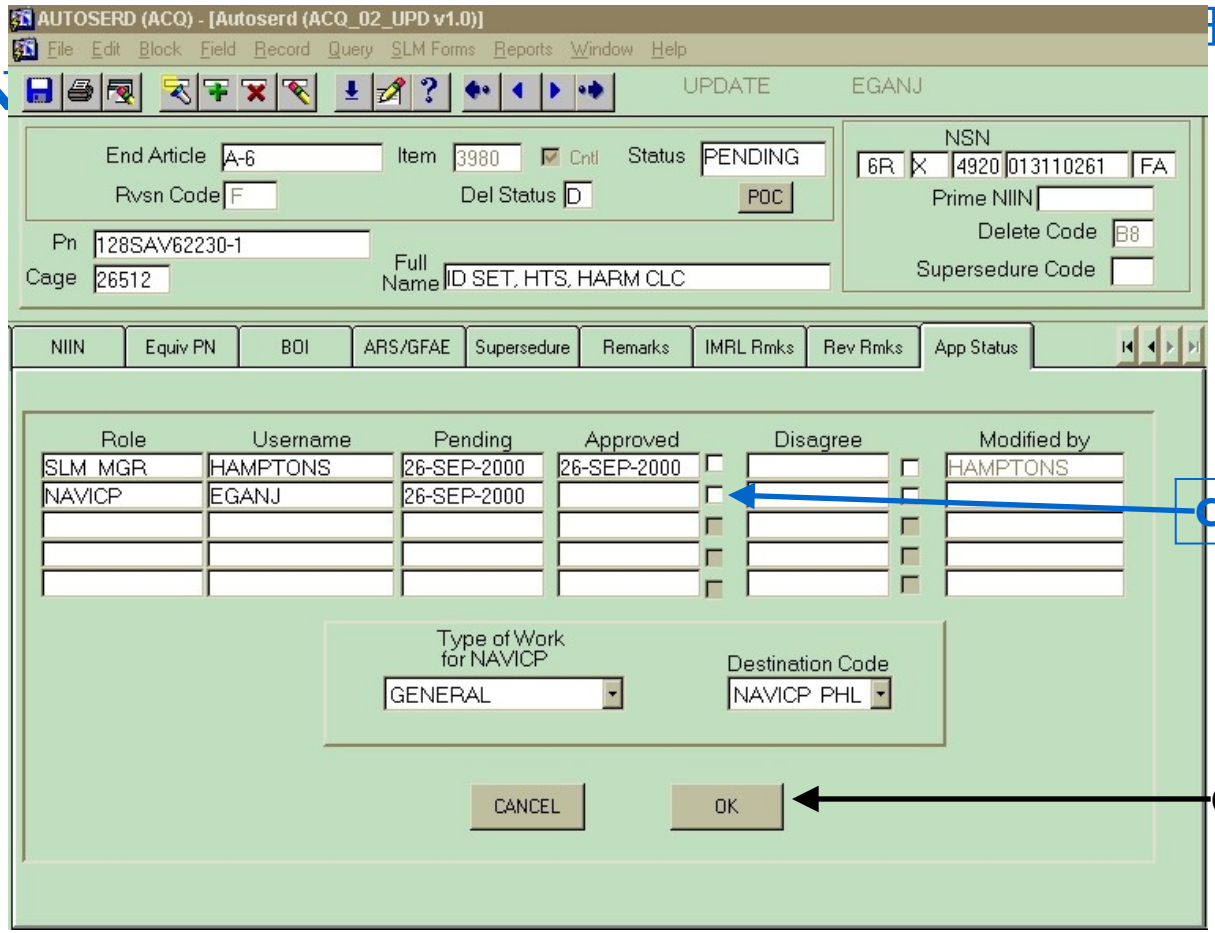
AUTOSERD/MIF INTERFACE


ACQ_WORKLOAD - [SERDs Worklist]
File Edit Block Field Record Query SLM Forms Reports Window Help
UPDATE
EGANJ
NAVICP / SPCC WORKLOAD
NIIN
SERD
DEST
TYPE OF WORK
NEW NAVY ITEM
DAYS
PENDING
77 222 LLERFJDOM 88 3130148310 0053 __ NAVICP PHL GENERAL NEW 309 09-FEB-2000
1R 6625 000978854 FA A-6 1959 D NAVICP PHL F1 DELETE REVISED 379 01-DEC-1999
1R 6625 000978854 FA A-6 1959 D NAVICP PHL F1 DELETE REVISED 241 17-APR-2000
6R 4920 013110261 FA A-6 3980 F NAVICP PHL GENERAL REVISED 79 26-SEP-2000
6R 4920 013130132 A-6 4080 E NAVICP PHL GENERAL REVISED 79 26-SEP-2000
3G 6850 007037406 A-6 A147 F NAVICP PHL GENERAL REVISED 1038 10-FEB-1998
3G 6850 007037406 A-6 A147 F NAVICP PHL GENERAL REVISED 56 19-OCT-2000
7Z 6625 010947716 TE A-6 A260 F NAVICP PHL GENERAL NEW 259 30-MAR-2000
6R 6625 011933545 TE A-6 A405 B NAVICP PHL GENERAL SUPERSEDURE 57 18-OCT-2000
6R 6625 011933545 TE A-6 A405 B NAVICP PHL GENERAL SUPERSEDURE 380 30-NOV-1999
6R 6625 011933545 TE A-6 A405 B NAVICP PHL GENERAL SUPERSEDURE 241 17-APR-2000
7Z 6625 013558241 TE A-6 A426 A NAVICP PHL GENERAL SUPERSEDURE 407 03-NOV-1999
1R 6130 014126478 A-6 A438 __ NAVICP PHL GENERAL SUPERSEDURE 374 06-DEC-1999
6R 6625 014252550 A-6 A448 __ NAVICP PHL GENERAL SUPERSEDURE 435 06-OCT-1999
2V 0000 LLPFS7680 A-7 3360 B NAVICP PHL GENERAL UNDEFINED 241 17-APR-2000
1R 6625 001408183 TE A-7 A110 C NAVICP PHL GENERAL SUPERSEDURE 57 18-OCT-2000
Record: 15/?

AUTOSERD/MIF INTERFACE

THE NAVICP APPROVAL PROCESS IS NOW A TWO CLICK PROCESS

IN THE APPROVAL TAB (SEE BELOW) CHECK THE BOX NEXT TO THE NAVICP ROLE AND THEN HIT THE OK BUTTON



Approval Tab - Update Version

NAVICP Cataloguing Process

NAVICP generates Transactions to DLSC to perform the following catalogue services:

Accomplishing Item Name Assignment by designating a commonly-recognized noun or noun phrase to an item of supply. Based on subsequent availability of technical data and ongoing tool development, the item name may be refined later.

Determining the Federal Supply Class (FSC) of an item of supply by establishing its relationship with other items, based on assigned item name and/or physical and performance characteristics. The FSC may be refined later, based on subsequent availability of technical data and ongoing tool development.

Preparing and Maintaining an Item Identification (II) by recording the characteristics data (in accordance with the Military Standard Item Characteristic Coding Structure (MILSTICCS)) to describe the physical and performance attributes of an item of supply.

Accomplishing Item Entry Control (filtering and scrutinizing a candidate for inclusion in the Federal Catalog System (FCS)) by manually and mechanically comparing a candidate to existing items and recognized standards.

Performing Technical Data Validation by confirming the quality of technical data used for item name assignment, FSC determination, and item identification.

Providing Provisioning Support by taking actions to assist the best selection, procurement, and cataloging of items of supply required to sustain weapon

Continued>

NAVICP Cataloguing Process

Continued:

Performing Data Recordation and Maintenance actions necessary to ensure complete, accurate, and current logistics data records (excluding item characteristics data) for an item of supply. These actions are normally accomplished as a result of item manager requests, system incompatibility notices, technical data revisions, interchangeability and substitutability (I&S) decisions, and periodic record reviews.

Initiating and enhancing Cataloging Tools documents and procedures required to research, record, and organize item logistics information. Cataloging Tools include item names, definitions, FSC Structure, Federal Item Identification Guides (FIIGs), and other publications.

Performing Supply Support Request (SSR) Processing (resulting from a request by a Service to be a user of a consumable item managed by another Service or Agency) by accomplishing cataloging actions which record user interest, assign management data, and review/accept substitutes offered.

Performing Data Dissemination functions, which provide logistics information (written, telephonic, or electronic) to customers who need it at every level of the supply system.

Developing Cataloging Procedures and Systems to implement cataloging policies. This includes written directives, manual methods, and automated information systems in various combinations, including FLIS.

Developing Cataloging Policy to support the general principles governing the relationship of all cataloging elements/functions to each other as well as to

MASTER ITEM FILE

ADP System used by NAVICP Philadelphia and Mechanicsberg.

NAVICP Philadelphia and Mechanicsberg maintain two separate databases with common supply system data elements

*** Contains supply significant data**

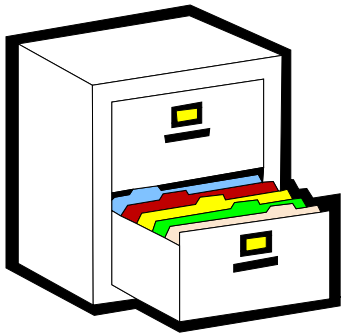
*** Interfaces with AUTOSERD via dataset comparisons / updates on a bi-monthly alignment schedule, will soon be updated on a monthly basis**

*** Numerous files are available for query (subsystems)**

MIF Commonly Used Files

Master Data File (MDF)

-- Supply data for all active inventory items



Technical Reference File (TRF)

-- Active permanent NICN items file

- LL GSE = Local Assembly/Manufacture

- LL PF1 = Depot Level Only

- LL SWE = Software

- LL STD = Calibration Standard

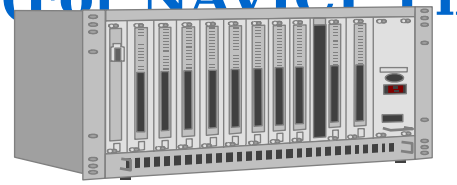
MORE MIF COMMONLY USED FILES

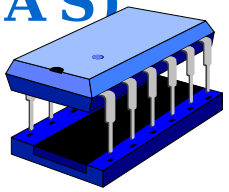
Program Support Interest File (PSI)

-- Items not managed by that particular NAVICP that the NAVY is a registered user for (Non-MIPR type items)

Weapon System File (WSF)

-- E/A Top-down breakdown (For NAVICP Phil. E/A'S)





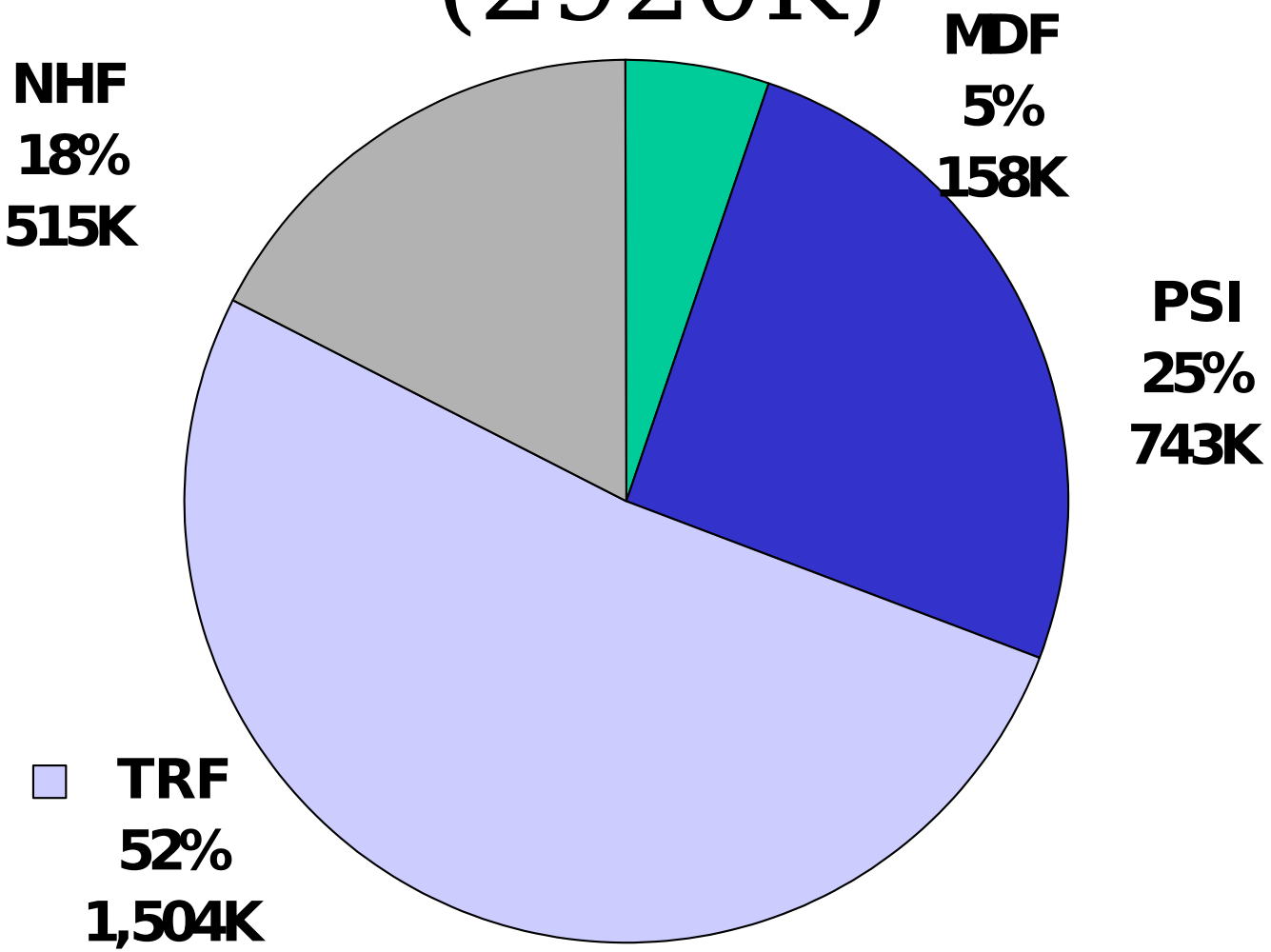
NIIN History File (NHF) {THE "DEAD" FILE*}

-- Items no longer managed or in the inventory

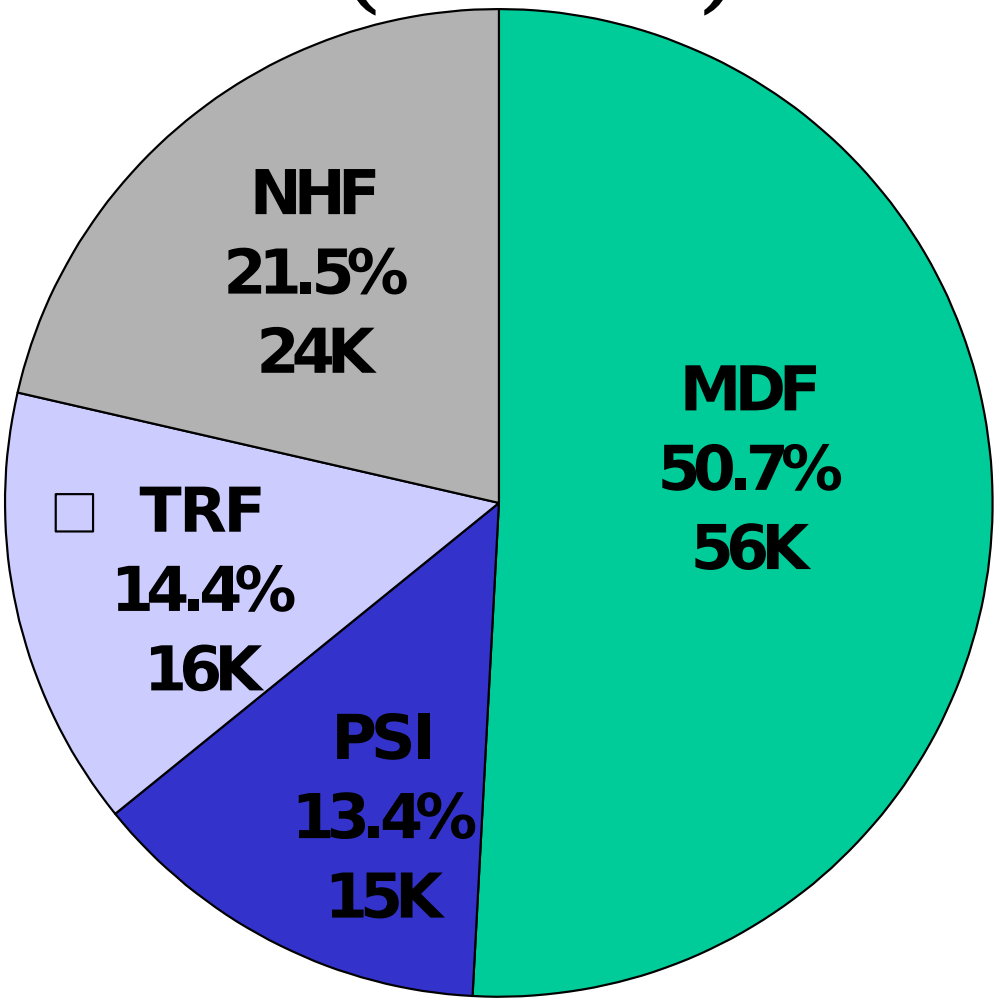
*** To reinstate an item from NIIN History File, You must reprovision and NAVICP will have to re-catalogue the item, causing assignment of a NEW NIIN!**

Cross Reference File (CRF)

NAVICP NIIN WORLD (2920K)



NAVICP SE NIIN WORLD (111K)



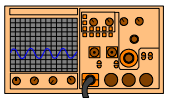
SERD Preparation

Prime Weapon System Contractors

Aircraft (MCAIR / GRUMMAN / LOCKHEED / ETC)
Weapons (BOEING / ETC)
Avionic System (COLLINS RADIO / SPERRY / ETC)

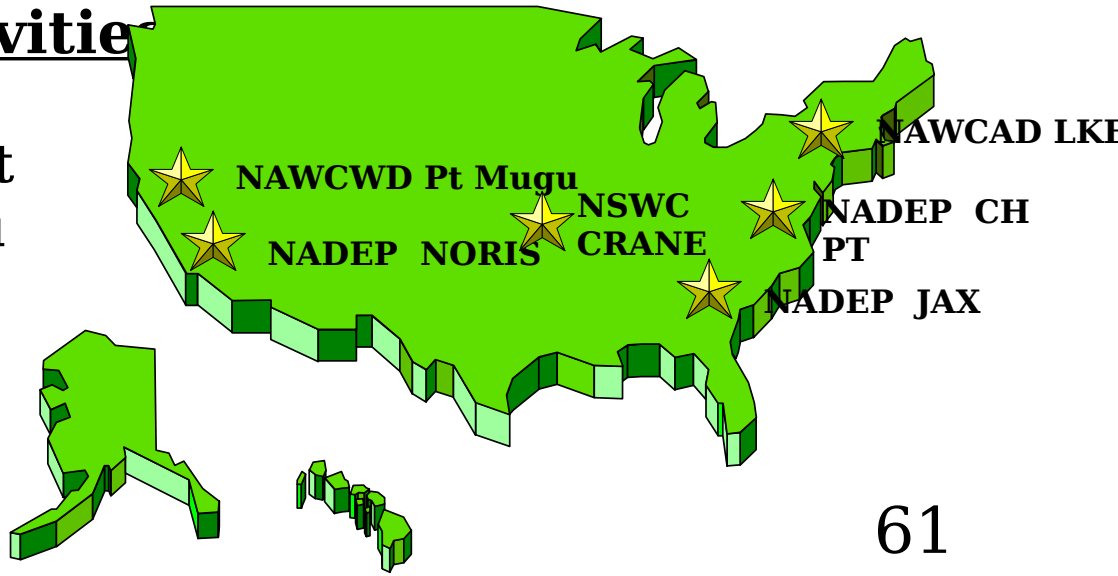
Prime SE Manufacturers

ATE (General Electric / Harris / Emerson / Etc)
Raytheon Indianapolis
Other SE (Hewlett-Packard / Fluke / Etc)



NAVAIR Specified Activities

NAVAVNDEP (3)
NAWCAD/Lakehurst
NAWCWD/Pt. Mugu
NSWC Crane IN
etc.



NARRATIVE PROPOSAL (aka AR21 FIGURE 1A)

Prepared by Originator (Contractor or Government Activity)

Describes the End Article Support Requirement

-- Part 1 - Functional Analysis: Describes the Requirements from the LSA/MP on the End Article

-- Part 2 - Recommended (proposed) Solution: Proposes a Conceptual Design for a New Item, or Summarizes the Technical Characteristics and Capabilities of any Existing SE End Item

- Size/We rial Info/Descriptive Info

Specified Information is Codified in the Blocks of the

FIGURE 1A
ALSO:

Documents Contractor's Determination of SE Non-proliferation Search based on screening documents:

- **Existing SE**
- **Off-the-Shelf Commercial Equipment**
- **Modified Existing SE**
- **Development of New SE End Items**

Figure 1a Information and Figure 1b Data = An Enhanced SERD

Source: MIL-STD-2097A Through ILS Detail Specification (ILSDS)

Grumman Aerospace Corporation

Fig 1A Functional Analysis

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 1

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART I FUNCTIONAL ANALYSIS

THIS SERD REPRESENTS AN RTBS CONFIGURATION WHICH WILL BE CAPABLE AT DEPOT LEVEL, OF SUPPORTING AN/APS-125, AN/APS-138, AN/APS-139,

AND AN/APS-145 RADAR SYSTEM AS FOLLOWS:

* FAULT DETECTION AND ISOLATION: PROVIDE THE CAPABILITY, IN CONJUNCTION WITH ASSOCIATED TEST EQUIPMENT AND SELECTED RADAR WRA'S SUPPLIED WITH RADAR TEST BENCH SET (SEE TABLE I) TO ENABLE TESTING ALIGNMENT AND FAULT ISOLATION TO THE LOWEST REPLACEABLE PART OF THE RADAR WRAs.

* ALIGNMENT: PROVIDE THE CAPABILITY IN CONJUNCTION WITH ASSOCIATED TEST EQUIPMENT, TO MAKE ACCURATE AND RAPID ALIGNMENT OF THE WRAs AND THEIR SRAs.

* REPAIR: PROVIDE THE CAPABILITY IN CONJUNCTION WITH ASSOCIATED TEST EQUIPMENT, TO ENABLE REPAIR OF ALL SHOP (I OR D LEVEL) REPAIRABLE PARTS.

ELECTRICAL REQUIREMENTS PROVIDE THE FOLLOWING FOR EACH WRA AND SRA:

1. PRIMARY AND SECONDARY POWER
2. INPUT STIMULI (RF, IF, VIDEO, AC, DC)
3. OUTPUT LOADS (RF, VIDEO, DC)
4. PROVIDE THE CAPABILITY FOR WRA MEASUREMENT AND MONITORING OF ALL NECESSARY ELECTRICAL PARAMETERS.

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A Function Analysis

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 2

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART I FUNCTIONAL ANALYSIS (CONT'D)

ENVIRONMENTAL REQUIREMENTS - PROVIDE EACH WRA AND SRA AS REQUIRED WITH

1. COOLED AIR AND/OR LIQUID COOLANT.
2. NITROGEN PRESSURIZATION FOR HIGH VOLTAGE COMPONENTS
3. CAPABILITY FOR READY MEASUREMENT, AND MONITORING OF ALL NECESSARY ENVIRONMENTAL PARAMETERS.

MOUNTING REQUIREMENT - PROVIDE FOR BENCH MOUNTING OF EACH OF THE WRA's WITH PROVISIONS FOR EASY REMOVAL AND INSTALLATION

OF THE WRA AND/OR ITS SRA. IN THE TEST POSITION, PROVISIONS SHALL BE MADE TO SECURE AND EASILY MOVE THE ASSEMBLY UNDER TEST.

SAFETY REQUIREMENTS - MAKE SAFETY PROVISIONS FOR EQUIPMENT AND OPERATING PERSONNEL,

WRA OPERATING TIME - MAKE PROVISIONS TO MINIMIZE THE OPERATING TIME OF WRA's, NOT DIRECTLY UNDER TEST, OR REQUIRED FOR THEIR

OPERATION.

HIGH POWER REQUIREMENTS - HIGH POWER TESTING OF THE DUMMY LOAD, ELECTRICAL

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A Service Rqmts

Grumman Aerospace Corporation

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2 3

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO.

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART I FUNCTIONAL ANALYSIS (CONT'D)

THE RADAR TEST BENCH SET (RTBS), IN CONJUNCTION WITH ASSOCIATED TEST EQUIPMENT, PROVIDES FOR:

1. THE FAULT INDICATION OF THE RADAR, WRAs AND FAULT ISOLATION TO THE LOWEST REPLACEABLE PART.
2. ALIGNMENT OF WRAs AND SRAs.
3. REPAIR OF ALL SHOP (DEPOT LEVEL) REPAIRABLE PARTS.

DESCRIPTION SERVICES REQUIREMENTS

A. ELECTRICAL: 1. AC, 3 PHASE, 115 VOLTS + 1% 400 Hz + 5%, 30KVA.
2. AC, 1 PHASE, 60 Hz TO CONVENIENCE OUTLET BOX FOR USE OF TEST EQUIPMENT 3.5 KVA .
3. DC, 27 + 2 VOLTS, 37 AMPS.

B. COOLING: 1. COOLING AIR - APPROXIMATELY 20 lb/min AT 55 DEGREES F MAX AND 4 INCH STATIC MIN PRESS. 90% FILTERED, (50 MICRONS)
2. COOLING WATER - APPROXIMATELY 17 GALLONS PER MINUTE (MIN) AT 105 DEGREES F MAX AT 20PSIG (MIN) AND 150 PSIG (MAX) (FRESH)

THERE IS NO KNOWN ITEM IN THE GOVERNMENT INVENTORY THAT MEETS THE ABOVE REQUIREMENT.

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Grumman Aerospace Corporation

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 4

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART II RECOMMENDED SOLUTION

THE RTBS, THROUGH ITS CABLE HARNESS GROUPS AND WRA/SRA EXTENDERS, PROVIDES THE PRIMARY POWER TO EACH WRA AND ELECTRICAL STIMULI AND LOADING FOR EACH WRA AND SRA.

THE RTBS PROVIDES THE AIR AND/OR LIQUID COOLING, AND NITROGEN GAS PRESSURIZATION FOR ANY OF ITS WRAs OR SRAs, OR A HIGH POWER TRANSMISSION LINE SECTION (INCLUDING THOSE THAT ARE PART OF RTBS) REQUIRING THIS PROVISION. THE NITROGEN GAS WILL BE SUPPLIED BY THE PUMP, ROTARY, POWER DRIVEN HD-902A/APS-120.

THE RTBS PROVIDES THE TEST POINTS AND PANEL METERS FOR MEASURING AND MONITORING ALL ELECTRICAL AND ENVIRONMENTAL PARAMETERS OF THE WRAs.

THE RTBS IS SUPPLIED WITH HOLDING FIXTURES FOR THE RADAR WRAs UNDER TEST WITH PROVISIONS FOR EACH REMOVAL AND INSTALLATION OF THE WRA, AND READY ACCESS AND EXTENSION AND/OR REMOVAL OF SRAs.

THE RTBS PROVIDES OVERLOAD PROTECTIVE CIRCUITRY FOR THE PROTECTION OF THE WRAs AND TEST EQUIPMENT.

THE RTBS PROVIDES SWITCHING AND LOGIC CIRCUITRY TO ACTIVATE ONLY THOSE WRAs NECESSARY FOR THE OPERATION OF THE WRA UNDER TEST.

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A Test Equipment

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 5

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DATE ORIGINAL 3/26/88

PART II RECOMMENDED SOLUTION (CONT'D)

THE RTBS MUST BE USED IN CONJUNCTION WITH THE FOLLOWING ASSOCIATED TEST EQUIPMENT (OR EQUIVALENT), ADAPTER SETS, TOOLS AND POWER AMPLIFIER DOLLY (NOT SUPPLIED AS PART OF THIS SERD).

TEST EQUIPMENT

THE ASSOCIATED TEST EQUIPMENT REQUIRED INCLUDES, BUT IS NOT LIMITED TO THE TEST EQUIPMENT, OR EQUIVALENT LISTED BELOW. THE LIST IS INCLUDED IN THIS SERD FOR REFERENCE ONLY, AND WILL NOT BE UPDATED AS A RESULT OF FURTHER DEFINITION RESULTING FROM COMPATIBILITY TESTING.

QTY	MANUFACTURER	PART NUMBER	DESCRIPTION
1	ALFORD	1026C-4	SLOTTED LINE
2	AMPHENOL	35725-91	91 Ohm TERMINATION
2	NARDA	370NF	50 Ohm TERMINATION
4	NARDA	370NM	50 Ohm TERMINATION
2	TEKTRONIX	011-0049-01	50 Ohm TERMINATION
4	TROMPETER	TPM-50	50 Ohm TERMINATION
4	ANZAC	H-9N	JUNCTION HYBRID, 50 Ohm
2	FLUKE	8800A/AA	DIGITAL VOLTMETER
1	BALLANTINE LAB	323-20-MOD40	TRUE RMS VOLTMETER

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A Cables

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 6

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DATE ORIGINAL 3/26/88

PART II RECOMMENDED SOLUTION (CONT'D)

SYSTEM INTERCONNECTING CABLES:

THE CABLES PROVIDE FOR THE INTERCONNECTION BETWEEN THE RTBS AND THE RADAR WRA.

WRA INTERCONNECTING CABLES:

THE CABLES PROVIDE FOR THE INTERCONNECTION BETWEEN BENCH WRAs.

EQUIPMENT INTERCONNECTION CABLES:

THE CABLES PROVIDE FOR THE INTERCONNECTION BETWEEN ASSOCIATED TEST EQUIPMENT AND THE RADAR WRAs.

THE RTBS INCLUDES THE RADAR SET WRAs LISTED IN TABLE I:

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A GFAE

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO.

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART II RECOMMENDED SOLUTION (CONT'D)

TABLE I

AN/APS-145 RADAR SET WRAs SUPPLIED WITH RTBS

DISTRIBUTION BOX J-3010/APS-120 (A43)
METER, RADIO FREQUENCY POWER ME-413/APS-120 (A17)
COUPLER, DIRECTIONAL CU-1999/APS-120 (A20)
PUMP, ROTARY POWER DRIVE HD-902A/APS-120 (A25)
PRESSURIZER, ELECTRONIC EQUIP HD-901/APS-120 (A33)
MODULATOR, RADAR MD-1169/APS-139 (A30)
POWER SUPPLY PP-6618A/APS-120 (A37)
POWER SUPPLY PP-6616/APS-120 (A24)
TRANSFORMER ASSEMBLY TF-555/APS-120 (A22)
POWER SUPPLY PP-6619/APS-120 (A42)
NETWORK, PULSE FORMING MX-8945/APS-120 (A23)
REACTOR MX-8946/APS-120 (A34)
POWER SUPPLY PP-6617/APS-120 (A35)
AMPLIFIER, TRIGGER PULSE AM-6513/APS-120 (A31)
FILTER, DIRECT CURRENT POWER F-1308/APS-120 (A41)
TRANSFORMER ASSEMBLY TF-556/APS-120 (A36)
MODULATOR, RADAR MD-1170/APS-139 (A32)
DUMMY LOAD, ELECTRICAL DA-606/APS-120 (A26)
PULSE GENERATOR 0-1835/APS-145 (A()
RADAR SET CONTROL C-11621/APS-145 (A11)
PERFORMANCE INDICATOR ID-2383/APS-145 (A12)
FERRITE ISOLATOR 2J-9436/APS-139 (AT1)

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A General Notes

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 8

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART II RECOMMENDED SOLUTION (CONT'D)

NOTES:

(1) AMPLIFIER, RADIO FREQUENCY AM-6412/APS-120 WILL BE OBTAINED FROM ON-SITE QUANTITIES TO PERFORM HIGH POWER TESTING AND FAULT ISOLATION OF THE DUPLEXER CU-1998/APS-120; DUMMY LOAD, ELECTRICAL DA-606/APS-120 WRAs.

(2) THE SIMULATOR, CONTROL VOLTAGE SM-726/APS-125 AND SM-842/APS-145 WRAs WILL BE OBTAINED FROM ON-SITE QUANTITIES TO BE USED AS TEST FIXTURES FOR TESTING AND FAULT ISOLATION OF THEIR ASSOCIATED SRAs TO THE COMPONENT LEVEL.

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

Fig 1A Related SE

SUPPORT EQUIPMENT RECOMMENDATION DATA

CONTRACTOR / FSCM GRUMMAN AEROSPACE CORP / 26512

CONTRACT NO. N00019-87-C-001

END ARTICLE IDENT. AIRCRAFT E2

SE PART / MODEL NO. / TYPE DESIG. 123SAV50000-E360-2

FIG. 1a PAGE NO. 9

REVISION NO. E360

DATE ORIGINAL 3/26/88

PART II RECOMMENDED SOLUTION (CONT'D)

ADAPTER SET(S)

TRANSITIONS. CONSISTING OF SMALL ITEMS SUCH AS, TEE CONNECTORS, CONNECTOR-TO-CONNECTOR TYPE ADAPTERS AND RF THE ITEMS ARE CONTAINED IN THE RADAR ADAPTER ACCESSORY SET, PN 123SAV52060-E329 (SERD 4810).

TOOLS

ASSEMBLY. SPECIAL HOLDING FIXTURES AS IDENTIFIED DURING CERTAIN WRA TEST PROCEDURES ARE PROVIDED AS PART OF THE RTBS

POWER AMPLIFIER DOLLY

HARDWARE) THE DOLLY (NOT SUPPLIED WITH THE RTBS) PROVIDES THE MOUNTING STRUCTURE FOR SECURING (WITH QUICK RELEASE

FREQUENCY RADIO FREQUENCY AMPLIFIER AM-6412/APS-120 TO THE RTBS DURING MAINTENANCE AND STORAGE OF THE ON-SITE RADIO AMPLIFIER.

ITEM NO.	ITEM NAME
5186	RADAR TEST BENCH SET

FIGURE 1a

THE SERD IS:

Continuously Evolving

Describes and Quantifies SE Data Requ

Primary Record / Standardized

Is Key to SE Standardization and Non-Proliferation

Defines SE Acquisition and Logistic Support Data

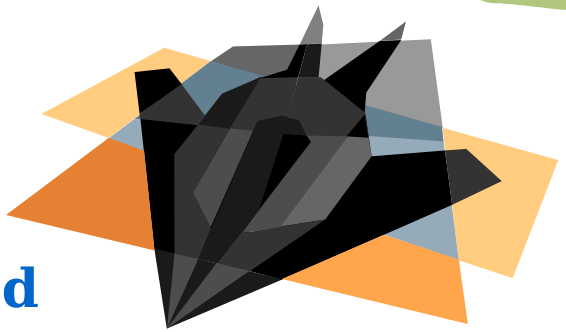
Is Required for Procurement of SE

Controls Data / Provides Cost

Facilitates Technical Review

Allows for the IMRL

Active Until End Article Scrapped



Accessing SEMS via the Web

Web-Based Environment:

https://semsweb.serm.nola.navy.mil

All SEMS applications run through this website in the form of a java applet.
Browser Requirements:
Internet Explorer Version 5.5, 128-bit encryption, latest edition of Microsoft Virtual Machine (this is standard on all NMCI machines)
Note: Windows XP does NOT come with Virtual Machine Standard. All XP machines will need to go to the Microsoft Download page and get the

Getting a SEMS ID created

From the SEMS ISSO, Lynn Huett:

Please send all SEMS Access Request forms for new users to your organization's appointed SEMS POC. The SEMS POC will then forward the Access form to Lynn Huett for processing. Once the user is given a user id and password, the information will be sent to your SEMS POC. The following is a list of the SEMS POCs.

They may also be found on the SEMS web site at https://semss.nola.navy.mil under

SERMIS Reports Directory/Misc Files/SEMS POCs.Doc

SEMS ID Points Of Contact by Command

AIRLANT
-- POC Mr. John Maute, Dsn 565-9184, Com (757) 445-9184, mautejc@cnal.navy.mil
AIRPAC
-- POC Mr. Wayne Lane, Dsn 735-1440, Com (619) 545-1440, LANE.WAYNE.L@CNAP.navy.mil
NAVICP Philadelphia
-- POC Mr. Bill McGann, Dsn 442-3644, Com (215) 697-3644, william_r_mcgann@icpphil.navy.mil
CNARF
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CNATRA
-- POC Mr. Herman Fruge, Dsn 861-3376, Com (361) 961-3376, Fruge.h.j@nrst.navy.mil
NSWC CRANE
-- POC Mrs. Cindy Starr, Dsn 482-3894, Com (812) 854-3894, starr_c@crane.navy.mil
COMMERCIAL DEPOTS, NADEP SOLOMONS
-- POC Mr. David Semat, Com (410) 326-2000 or (800) 882-5396, sematdl@navair.navy.mil
NSWC CORONA
-- POC Mr. Dave Stance, Dsn 933-5704, Com (909) 273-5704, david.stance@navy.mil
NADEP CHERRY POINT

SEMS ID Points Of Contact by Command (cont.)

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NAMTRA
-- POC Mrs. Jackie Booth, Dsn 922-9790 x157, Com (850) 452-9790 x157, Jackie.L.Booth@cnet.navy.mil

NATEC
-- POC Mr. Warren Yoder, Dsn 735-3198, Com (619) 545-3198, Yoderwh@navair.navy.mil

NAVAIR ACC 5.0D4
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RAYTHEON (Previously NAWCAD Indy)
-- POC Mr. Scott Kinslow, Dsn 369-4916, Com (317) 306-4916, kinslows@indy.raytheon.com

NAWCADLKE Users with SERMIS Access
-- POC Mrs. Joann Wright, Dsn 624-4102, Com (732) 323-4102, joann.wright@navy.mil

SPAWARINFOTECHCEN
-- POC Mrs. Joan Sharp, Dsn 647-2358, Com (504) 679-2358, sharpj@sermnt.serm.nola.navy.mil

SYSCOM PMA260
-- POC Mr. Shawn Durand, Dsn 757-6851, Com (301) 757-6851, shawn.durand@navy.mil **AUTOSERD Users at Lakehurst & Activities without a POC**

JOINT SERVICES SERD HANDBOOK

(NAWCADLKE-MISC-362300-0001)

- **SERD Overview with History & DID / MIS Relationships**
- **SERD Process Explanation Including Technical / Logistic Functionality**
- **Detailed Block-by-Block SERD Data Element Discussions Incorporating SERD Training Course Information and AUTOSERD Bulletins**
- **AUTOSERD Approval Process, Sample Screens, & Data Requirements**
- **SERMIS Notes: Identifies Data Elements Passed to SERMIS**
- **Appendices to Assist Reader:**
  - **AR21/ LSA070-2A / LSA070-2B Cross-Reference Table**
  - **Sample Completed SERDs and Blank Forms**
  - **AUTOSERD / LSA070-2B Data Input Conversion (incl.**

2004 Web Enabled SERD Handbook

Address https://webserd.lakehurst.navy.mil/acq/SerdHWebHelp/SERD_HANDBOOK.htm#A_Welcome_Page/HDBKHOME.html
Links EDS-NMCI Homeport Customize Links Free Hotmail Windows Media Windows
Contents Index Search
A_Welcome_Page
Handbook Welcome Pag
Foreward
Part_I_Introduction
Part_II_The_SERD_Proce
Part_III_SEMS_Screens
Part_IV_AR21_Format_S
Part_V_LSA070_1388-2.
Part_VI_LSA070_1388-2
Part_VIII_Comments
Part_VIIII_Quick_Referer
The_Acronyms
The_Appendix
The_Enclosures
What's New
Hide
NAVAIR
Welcome to the Joint Services SERD Handbook on the Web
NAWCADLKE -
MISC-324800-0001
This document was created to provide greater visibility to all SERD/ AUTOSERD user's, eliminate reproduction and distribution costs, and to incorporate revisions in a more timely matter.
Navigation Links - Section 3 discusses the Production AUTOSERD System in full, including an overview of all screens, reports and processes which make up both the AUTOSERD and SLM sub-systems. In section 4 at the bottom of each page there are navigation links to take you to the next page, or the previous page within the document. In sections 4, 5, and 6 there are navigation links to the three Matrixes (AR21 matrix, LSA070-2A matrix, LSA070-2B matrix, SEMS Screens field to tab matrix and the SEMS Screens tab to field matrix) these matrixes have links to the pages that correspond to the blocks contained within these SERD formats. These matrices provide the best way to navigate within the document as you can click on the block of the SERD that you have a question on, get the information that you need, and then return to the matrices.
Section 10 and Appendices A,B,C, are samples of completed and blank SERD's in all formats and are available for viewing the pdf files.

SERD HANDBOOK EVOLUTION

DATE	CONTENTS/SOURCE
NAEC-MISC-92-0453 June 1980 (Rev. Feb. 1981)	AR21C; SERD DID, UDI-E-2100E
*NAEC-MISC-92-0815 31 Oct 1984	AR21C; UDI-E-21001E Changes in SE Acquisition Procedures, NAVAIR Field Activity Responsibilities, AUTOSERD
U.S. NAVY AND MARINE CORPS TRI-SERVICE (MIL-STD-2097)	
*NAEC-MISC-52-0895 06 Oct 1987	LSA-070 SERD; MIL-STD-2097(AS); MIL-STD-1388-2A; SERD DID DI-ILSS-80118A; AUTOSERD; AMMRL/SERMIS
U.S. NAVY AND MARINE CORPS HANDBOOK FOR ENHANCED SERD	
*NAEC-MISC-52-0933 July 1988	AR21C; UDI-E-2100E; AUTOSERD Enhanced SERD; SERMIS - CHG 89-1 - CHG 90-1
U.S. NAVY AND MARINE CORPS LSA-070 (MIL-STD-2097A)	
*NAEC-MISC-52-1034 25 July 1990	LSA-070 SERD; MIL-STD-2097A; MIL-STD-1388-2A; DI-ILSS-80118B; AUTOSERD; SERMIS
JOINT SERVICES SERD HANDBOOK	
NAWCADLKE-MISC-362300-0001 31 March 1997	Enhanced SERD; AUTOSERD; SERMIS; LSAR; MIL-STD-2097A; MIL-STD-1388-2A; DI-ILSS-80118B; MIL-STD-1388-2B; DI-ILSS-80118C

NAWCADLKE Points Of Contact

. **Customer Service Help Desk**
-- NAWC, CODE 3.6.3.1, Ms. Jeannette Fusco, Dsn 624-1478, jeannette.fusco@navy.mil &
Mr. Jim Gorman, Dsn 624-4115, james.gorman@navy.mil

. **AUTOSERD**
-- Programming
- NAWC, CODE 3.6.2.2, Ms. Heidi Klein , Dsn 624-7952, heidi.klein@navy.mil
-- USER Ids/Passwords
- NAWC, CODE 3.6.3.1, Jeannette Fusco, Dsn 624-1478, jeannette.fusco@navy.mil
-- Training
- NAWC CODE 3.6.4.1 Mr. Phil Sevasta, Dsn 624-2868, phillip.sevasta@navy.mil
-- SLM/List Code Inquiries
- NAWC, CODE 3.6.4.1, Mr. Phil Sevasta, Dsn 624-2868, phillip.sevasta@navy.mil

. **SERMIS User Inquiries**
-- NAWC, CODE 3.6.4.1, Ms. Joann Wright, Dsn 624-4102, joann.wright@navy.mil

. **SODARR Process/Inquiries**

NAWCADLKE Points of Contact (Continued)

. **Work Unit Codes**
-- NATEC San Diego, CA (ASSIGNMENTS)
-- NATEC AIR 3.2.D, Mr. Henry (Hank) Deskiewicz, Comm (619) 545-2502,

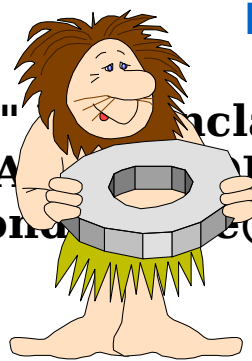
wucms@navair.navy.mil

. **MIL-HDBK-300/DLSC/SERD HANDBOOK**
-- NAWC, Code 3.6.2.3, Mr. Phil Sevasta, Dsn 624-2868, phillip.sevasta@navy.mil

. **Installation Significant**
-- NAWC, CODE 4.8.5.1.B, Mr. Joe Servallo, Dsn 624-1614 , joseph.servello@navy.mil

. **Type Equipment Code**
-- SPAWARSYS-VA, CODE 222, Mr. David Berquist , Dsn 646-0227, Comm (757) 443-0227,
Dberquis@scn.spawar.navy.mil

. **"AN" nclature Assignment**
-- NA E 4.1.4.1, Mr. Ray Santee, Dsn 624-2566, raymon e@navy.mil



Off-station Points Of Contact

. **LAMS Training**
-- NAVAIR Code 364, Ms. Brenda Tomanack, Dsn 757-6853, comm 301-757-6853,
brenda.tominack@navy.mil

. **Calibration Code/requirements**
-- NWAC Code MS54s, Mr. Dave Stance Dsn 933-5704

. **Serd Processing Unit**
-- NAVICP Phil, Code 03324.41, Mr. Bill McGann, Dsn 442-3644,
William_R_McGann@icpphil.Navy.Mil

-- NAVICP Phil,code 03324.42, Mr. John Egan, Dsn 442-2869,
John_A_Egan@icpphil.Navy.Mil

-- NAVICP Mech, Code 059331, Mr. Thomas Feltenberger, Dsn 430-2253 Comm.
(717) 605-2253, Tommy.feltenberger@Navy.Mil

. **SERMIS Userids, Navair Security**
-- NAVAIR Code 364, Ms. Lynn Huett Dsn 757-6849, 301-757-6849,
Debra.Huett@Navy.Mil

. **SERMIS Customer Support Desk**
-- SPAWAR ITC New Orleans, Mr Lee Grigsby and Mr Marc Quarles Dsn 647-6858 Comm.

SERD Helpful Website URL's

ACQ MS ACCESS HAS BEEN UPDATED AT THE FOLLOWING WEBSITE

https://webserd.lakehurst.navy.mil/acq/

CLICK ON SEMS DATA REPOSITORY BUTTON
CLICK ON AUTOSERD MS ACCESS BUTTON
Follow instructions for update users...(Just download acq_files.zip....unzip....run macro)

SERD Training Course Material

To access go to **https://138.60.67.250/acq/**

SERMALL – same as site as ACQ MS Access

SERD Handbook on the web:

https://webserd.lakehurst.navy.mil/acq/SerdHWebHelp/SERD_HANDBOOK.htm#A_Welcome_Page/HDBKHOME.html

Helpful Website URL's

NAVAIR Instruction Main Page
http://www.nalda.navy.mil/instructions/

OPNAVINST 4790.2H Web Site
https://www.nalda.navy.mil/4790/default.html

DOD Home Page
http://www.defenselink.mil/

Wingspan Home Page
https://wingspan.navair.navy.mil/

NAVAIR Main Page
http://www.navair.navy.mil/

PMA 260 on the Web
http://140.229.102.109/map.htm

WINGSPAN Corporate Applications Download Page:
https://wingspan.navair.navy.mil/corpapps/index.cfm

NAVAIR Acquisition and Logistics Reform Main Page:
http://www.nalda.navy.mil/acquisition/

Search All available CAGEs
http://www.dlis.dla.mil/cagesearch/

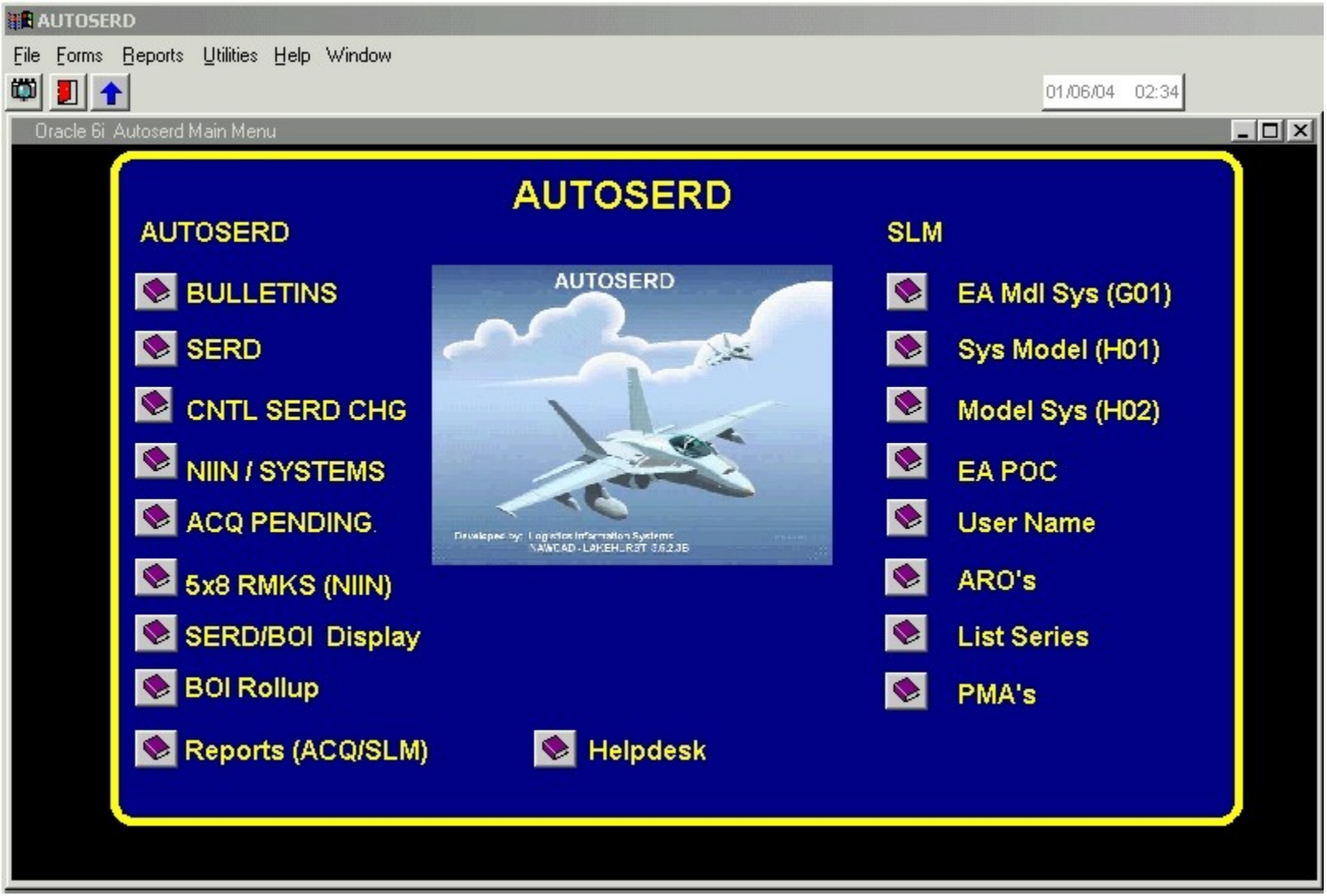
Web SEMS URL:
https://semsweb.serm.nola.navy.mil

Military Acronyms, Initialisms and Abbreviations & Military Terminology
http://www.fas.org/news/reference/lexicon/index.html

THE ACQUISITION SYSTEM

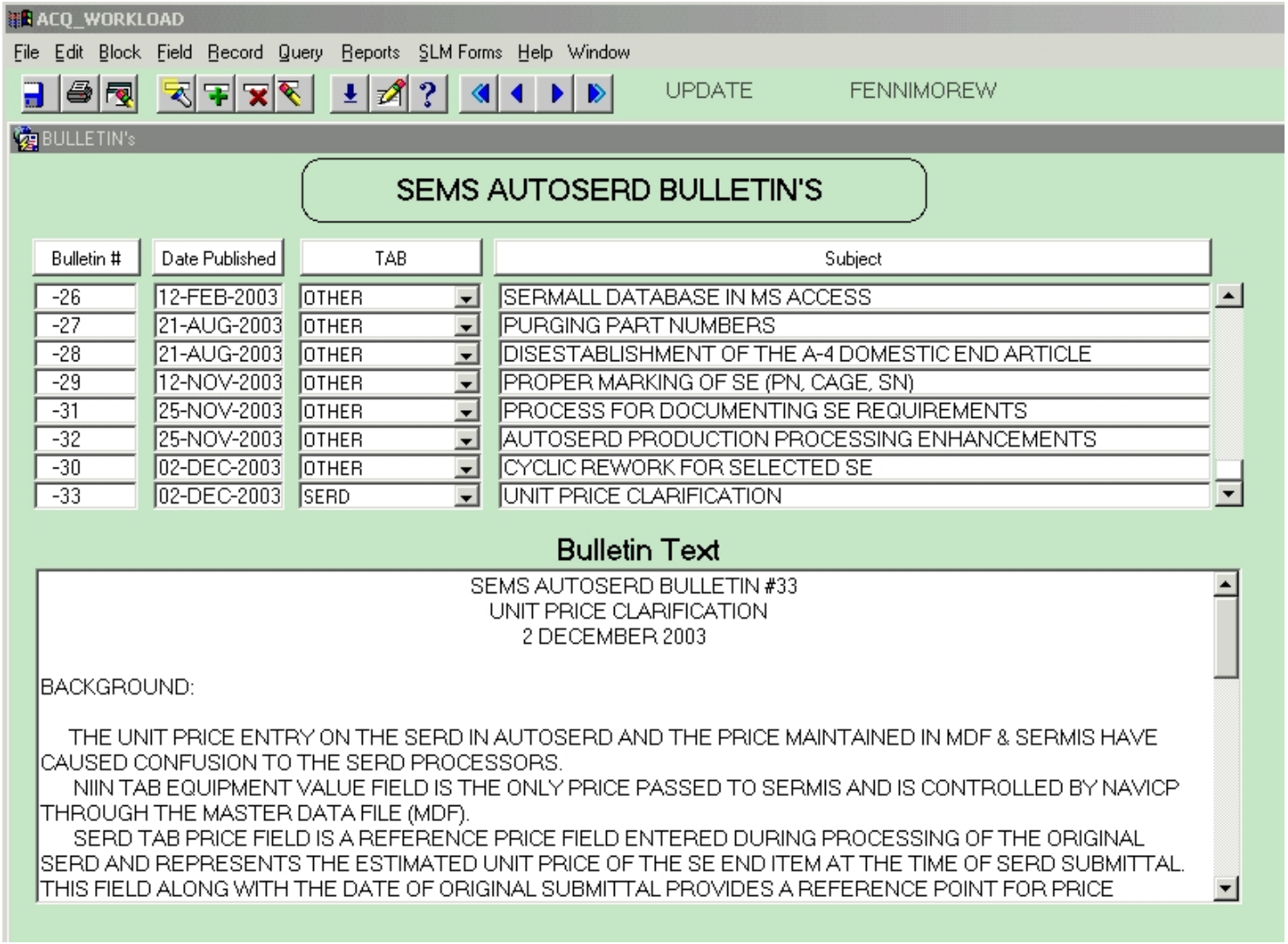
The SEMS Main Screen

THE ACQUISITION SYSTEM



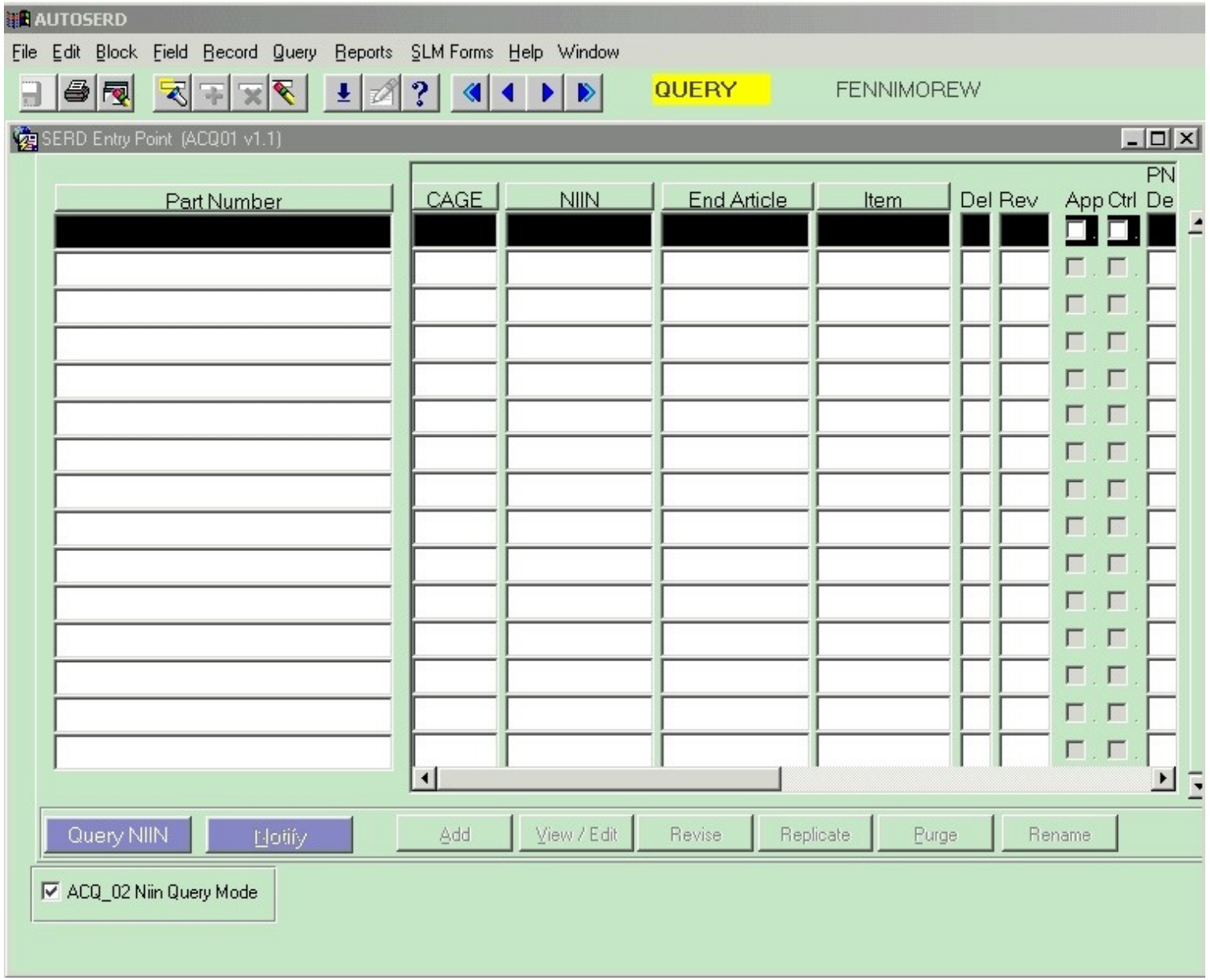
The AUTOSERD Main Screen

BULLETINS NOW ONLINE

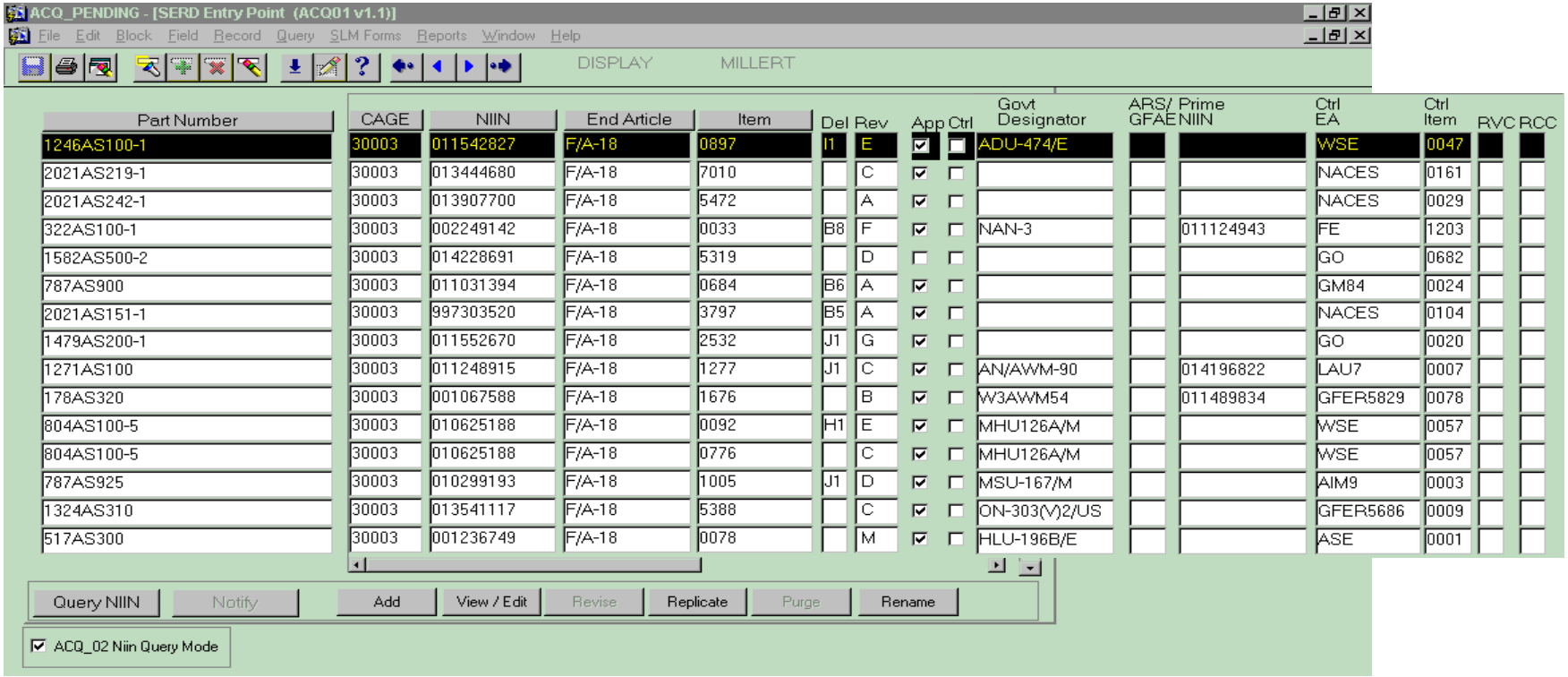

ACQ_WORKLOAD
File Edit Block Field Record Query Reports SLM Forms Help Window
UPDATE
FENNIMOREW
BULLETIN's
SEMS AUTOSERD BULLETIN'S
Bulletin # | Date Published | TAB | Subject
-26 | 12-FEB-2003 | OTHER | SERMALL DATABASE IN MS ACCESS
-27 | 21-AUG-2003 | OTHER | PURGING PART NUMBERS
-28 | 21-AUG-2003 | OTHER | DISESTABLISHMENT OF THE A-4 DOMESTIC END ARTICLE
-29 | 12-NOV-2003 | OTHER | PROPER MARKING OF SE (PN, CAGE, SN)
-31 | 25-NOV-2003 | OTHER | PROCESS FOR DOCUMENTING SE REQUIREMENTS
-32 | 25-NOV-2003 | OTHER | AUTOSERD PRODUCTION PROCESSING ENHANCEMENTS
-30 | 02-DEC-2003 | OTHER | CYCLIC REWORK FOR SELECTED SE
-33 | 02-DEC-2003 | SERD | UNIT PRICE CLARIFICATION
Bulletin Text
SEMS AUTOSERD BULLETIN #33
UNIT PRICE CLARIFICATION
2 DECEMBER 2003
BACKGROUND:
THE UNIT PRICE ENTRY ON THE SERD IN AUTOSERD AND THE PRICE MAINTAINED IN MDF & SERMIS HAVE CAUSED CONFUSION TO THE SERD PROCESSORS.
NIIN TAB EQUIPMENT VALUE FIELD IS THE ONLY PRICE PASSED TO SERMIS AND IS CONTROLLED BY NAVICP THROUGH THE MASTER DATA FILE (MDF).
SERD TAB PRICE FIELD IS A REFERENCE PRICE FIELD ENTERED DURING PROCESSING OF THE ORIGINAL SERD AND REPRESENTS THE ESTIMATED UNIT PRICE OF THE SE END ITEM AT THE TIME OF SERD SUBMITTAL. THIS FIELD ALONG WITH THE DATE OF ORIGINAL SUBMITTAL PROVIDES A REFERENCE POINT FOR PRICE

All updates to AUTOSERD Policies will be listed here and may be sorted by Date, Bulletin #, Section of AUTOSERD affected (TAB), or Subject of the change.

QUERYING THE NEW SERD



QUERYING THE NEW SERD



Part Number	CAGE	NIIN	End Article	Item	Del	Rev	App	Ctrl	Govt Designator	ARS/ GFAE	Prime NIIN	Ctrl EA	Ctrl Item	RVC	RCC
1246AS100-1	30003	011542827	F/A-18	0897	I1	E	☑	☐	ADU-474/E			WSE	0047		
2021AS219-1	30003	013444680	F/A-18	7010		C	☑	☐				NACES	0161		
2021AS242-1	30003	013907700	F/A-18	5472		A	☑	☐				NACES	0029		
322AS100-1	30003	002249142	F/A-18	0033	B8	F	☑	☐	NAN-3		011124943	FE	1203		
1582AS500-2	30003	014228691	F/A-18	5319		D	☐	☐				GO	0682		
787AS900	30003	011031394	F/A-18	0684	B6	A	☑	☐				GM84	0024		
2021AS151-1	30003	997303520	F/A-18	3797	B5	A	☑	☐				NACES	0104		
1479AS200-1	30003	011552670	F/A-18	2532	J1	G	☑	☐				GO	0020		
1271AS100	30003	011248915	F/A-18	1277	J1	C	☑	☐	AN/AWM-90		014196822	LAU7	0007		
178AS320	30003	001067588	F/A-18	1676		B	☑	☐	W3AWM54		011489834	GFER5829	0078		
804AS100-5	30003	010625188	F/A-18	0092	H1	E	☑	☐	MHU126A/M			WSE	0057		
804AS100-5	30003	010625188	F/A-18	0776		C	☑	☐	MHU126A/M			WSE	0057		
787AS925	30003	010299193	F/A-18	1005	J1	D	☑	☐	MSU-167/M			AIM9	0003		
1324AS310	30003	013541117	F/A-18	5388		C	☑	☐	ON-303(V)2/US			GFER5686	0009		
517AS300	30003	001236749	F/A-18	0078		M	☑	☐	HLU-196B/E			ASE	0001		

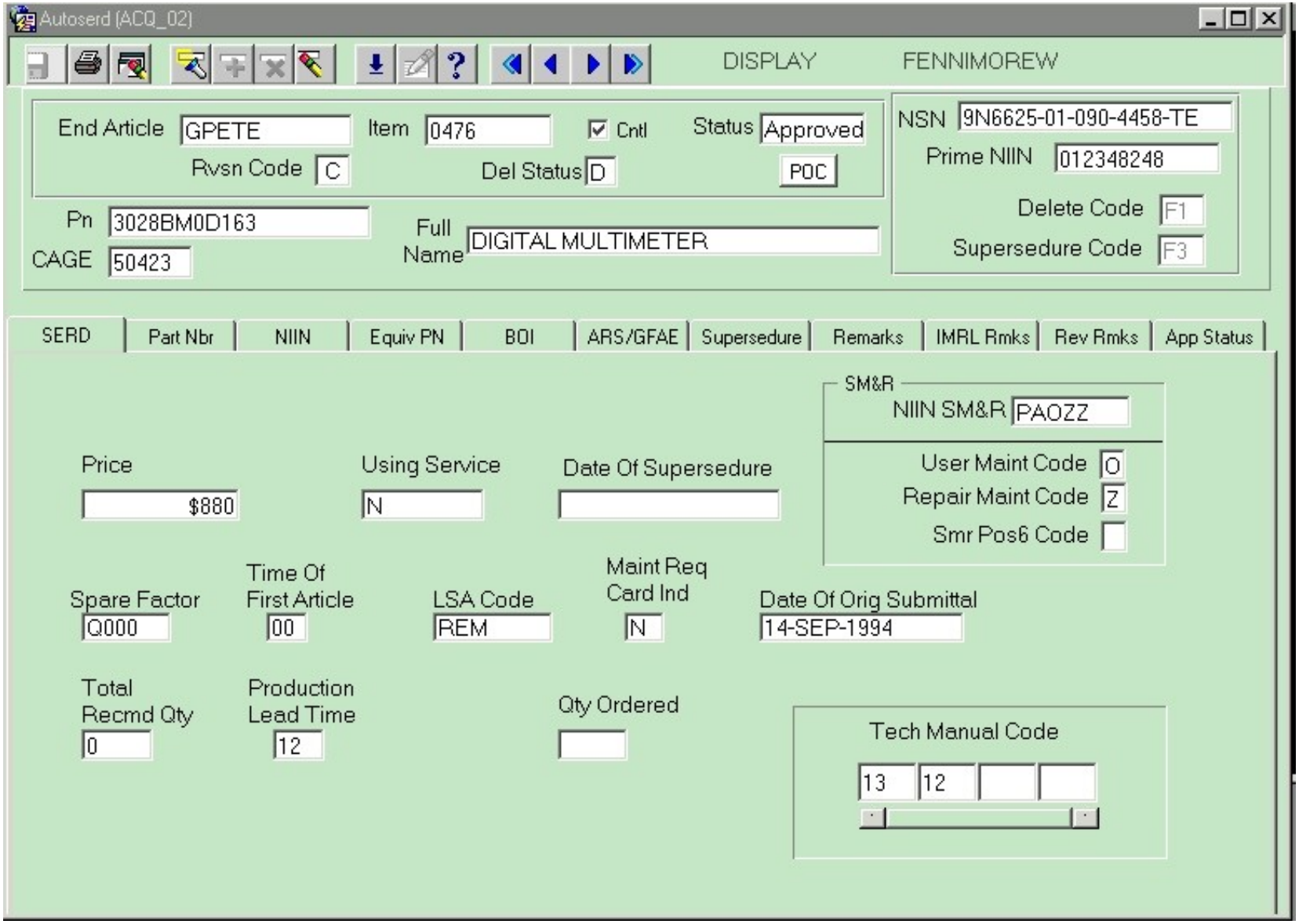
All SE may be queried on the SERD Entry Point screen (ACQ01V1.1)by using any combination of the first five displayed fields: Part Number, CAGE, NIIN, End Article or Item Number. Additional fields are shown on this screen, but the user may not query on them.

All queried results may be sorted by pressing on any of the Five pushbuttons above the queryable fields.

GFAE / ARS Items are displayed using a RED FONT, while deleted SE is denoted by a GREY FONT.

To view additional SERD data, highlight the desired SERD and either double click in any of the first five fields other than NIIN, or click on the VIEW/EDIT Button at the bottom of the screen.

INSIDE THE NEW SERD



SERD Header Field Info (EA & Item#)

End Article GPETE

End Article: Identifies the end weapon, a/c system, component or equipment being procured, including all contractor furnished equipment (CFE), components, assemblies, subassemblies and parts therein.

End Article Notes:

The End Article is the focal point for all SERD queries. Once a SERD is created, it may not be transferred to any other End Article. The only option is to Replicate the SERD to the new End Article and Delete the Current SERD!

Item 0476

Item Number: Provides a Unique "SERD Number" for each NIIN within an End Article's SE Listings (An alternate reference number).

- Each SE NIIN can only be Serded ONCE within an End Article
- For In-Production End Articles, the contractor is paid through sustaining funds to assign and track SERD Item Numbers.
- ARO assigns Item Numbers for out-of-production aircraft, avionics systems and engines.

SERD Header Field Info (Rev / Del / Cntl)

Rvsn Code C

Revision Code: **Shows the current revision designation of the SERD. The reason for the SERD revision will be displayed on the Revision Remarks Tab by highlighting the Revision Letter.**

Del Status ☐

Delete Status: **Indicates if the Current SERD is deleted (Or Not deleted)**

Del Status D

Blank or Null means the SERD is active (not deleted or superceded)

Del Status H

(D) has been logically deleted in the database or

Del Status S

(H) has been deleted by AUTOSERD as a History SERD (duplicate SERD for a NIIN within an End Article) or

(S) has been superceded by a new Prime SE End Item

☑ Cntl Control SERD

☐ Cntl Application SERD

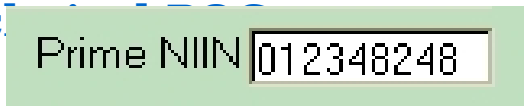
Control SERD Indicator: **If checked, than the SERD is in control. When unchecked, the SERD is known as an APPLICATION SERD.**

SERD Header Field Info (PN / Status / POC / Prime NIIN)

Part Number: A Unique Number assigned to the SE Item by the actual manufacturer as documented on the top level drawing. For Multiple Source Items, use the Prime Part Number which most co ies the item (Preferred PN).

STATUS: Status of the queried Serd. The display options are either Approved or Pending. This field is system generated.

POC: Pushbutton launching the End Article Point of Contact Screen. The Screen is used to determine all users associated with an End Article. Lists the WSM or WSMs, Logistician and Tec



Prime NIIN: Shows the Prime NIIN. This field will only have a value if the SERD has been Superseded. If blank, the SERD is for the Prime NIIN End Item.

SERD Header Field Info (Full Name)

FULL NAME: **Approved Item Name from the Federal Item Name Directory (FIND), supply cataloguing handbook H6 or Manufacturer's selected SE item name. This field may be updated at anytime through a SERD revision.**

This field is 40 Characters long and is the only name passed to SERMIS.

NOTE: Item Name on the NIIN tab is the 19 character nomenclature which is controlled by NAVICP.

RELATIONSHIP:
IN COMBINATION WITH THE GOVERNMENT TYPE DESIGNATOR CODE (FROM THE NIIN TAB) FORMS THE ITEM'S COMPLETE NOMENCLATURE.

All H6 information may be found online

http://www.dlis.dla.mil/h6/

Federal Item Name Directory Examples

Crane Truck, Airplane Crash:

A crane which is a compact unit with a short turning radius, having a traveling boom on a multi-position boom carriage. This unit consists essentially of a crane structure and a power unit mounted on a common wheeled carriage frame: the power unit may include a generator coupled to an internal combustion engine to supply power to electric motors for propulsion, steering and hoisting. It is especially designed for use on aircraft carriers to remove crashed planes from the flight deck.

Stand, Maintenance, Aircraft Engine:

A structure designed for overhauling, assembling, disassembling, and repairing aircraft engines. See also stand, aircraft engine: stand, test, aircraft engine and stand, maintenance, rail type.

SERD Header Field Info (CAGE)

CAGE 76301

CAGE: Identifies the Actual Manufacturer. The CAGE code is a five-digit code used to identify the original manufacturer or the Government activity that has design control of the recommended SE end item.

Source Of Data:

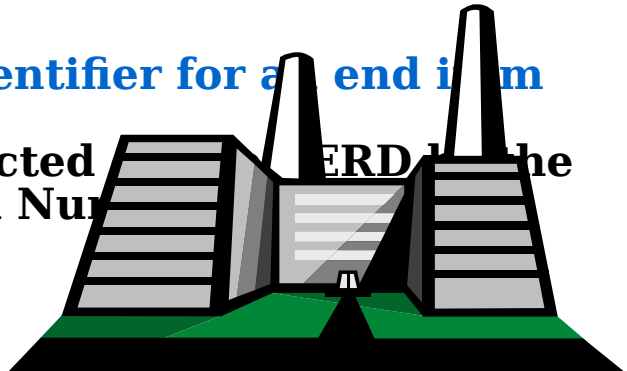
Cataloging Handbook H4/H8, Commercial And Government Entity Code (CAGE).

Relationships:

CAGE (Previously known as FSCM) Must accompany SE Part Number to provide the complete identification of the SE.

PN +CAGE (FSCM) represents a unique identifier for a end item within an end article.

PN + CAGE (FSCM) Unique identifier reflected [illegible]ERD [illegible]he "Unique SERD Number" In Block 33, Item Nu[illegible]



DLSC WEB PAGE:
http://www.dlis.dla.mil/cage-welcome.asp

SERD Header Field Information

CAGE 76301

For AMMRL Program & SEMS Inventorying, the CAGE identifies the Actual Manufacturer or the Government activity that has design control of the recommended SE end item. CAGE is not to be used by itself as it is non-definitive in nature.

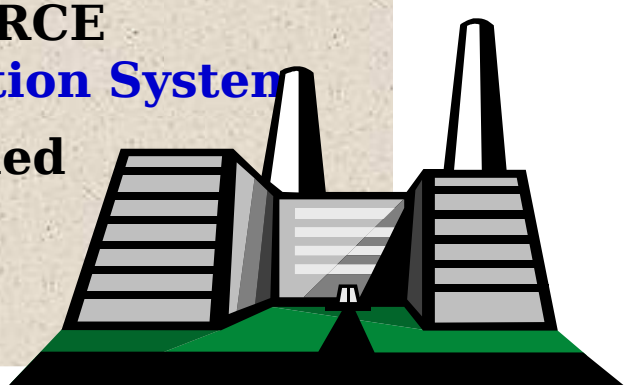
Do NOT use 80058, 30003, 10001, 80049, 81348 or 81349 without another good CAGE listed as an equivalent. These are non-definitive and do not represent an actual manufacturer. The table below shows what they represent.

AUTOSERD Bulletin #29 - Proper Marking of SE (PN, CAGE, SN

No

CAGE	Purpose
10001	NAVAIR Controlled Drawings
30003	
80049	DEPARTMENT OF THE AIR FORCE
80058	Joint Electronics Type Designation System
81348	AF/Army Specification Controlled Purchases (Spec Buys)
81349	

Indica



Determining the NSN

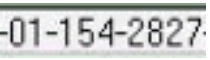
National Stock Number: **An 18 character field All of these fields are assigned by NAVICP. During SERD creation, a temporary NIIN or NICN will be assigned that will be reassigned by NAVICP.**

Dual Cognizance Code (Characters 1 and 2): Prefix used for internal Navy management purposes to identify and designate the Inventory Control Point that exercises supply management over the item.

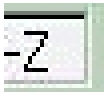
Material Control Code (Character 3): A one character alphabetic prefix that indicates product identification, special purpose or inventory control characteristics.

Actual NSN consists of:

Federal Supply Classification (4-7 {1730}): The first four positions of the actual NSN, it is used to classify all items of supply for commodity management.



NIIN Or NICN for the item (8-16 {01-154-2827}): Assigned to the item of supply for numerical identification. A NICN is assigned instead of a NIIN to identify items stocked or monitored in the Navy Supply System that are not included in



Tip: See NAVSUP P485 Appendices for ALL POTENTIAL VALUES!!

3 {Z }): A 2

COMMON FEDERAL SUPPLY CLASSES

Aircraft Launching, Landing, and Ground Handling Equipment

1710 Aircraft Landing Equipment.
1720 Aircraft Launching Equipment
1730 Aircraft Ground Servicing Equipment
1740 Airfield Specialized Trucks and Trailers

Maintenance and Repair Shop Equipment

4910 Motor Vehicle Maintenance and Repair Shop Specialized Equipment
4920 Aircraft Maintenance and Repair Shop Specialized Equipment
4921 Torpedo Maintenance, Repair, and Checkout Specialized Equipment
4923 Depth Charges and Underwater Mines Maintenance, Repair, and Checkout Specialized Equipment
4925 Ammunition Maintenance, Repair, and Checkout Specialized Equipment
4927 Rocket Maintenance, Repair and Checkout Specialized Equipment
4930 Lubrication and Fuel Dispensing Equipment
4931 Fire Control Maintenance and Repair Shop Specialized Equipment
4933 Weapons Maintenance and Repair Shop Specialized Equipment
4935 Guided Missile Maintenance, Repair, and Checkout Specialized Equipment
4940 Miscellaneous Maintenance and Repair Shop Specialized Equipment
4960 Space Vehicle Maintenance, Repair, and Checkout Specialized Equipment
4970 Multiple Guided Weapons, Specialized Maintenance and Repair Shop Equipment

Hand Tools

5110 Hand Tools, Edged, Nonpowered
5120 Hand Tools, Nonedged, Nonpowered
5130 Hand Tools, Power Driven
5133 Drill Bits, Counterbores, and Countersinks: Hand and Machine

COMMON FEDERAL SUPPLY CLASSES

Hand Tools (continued)

5136 Taps, Dies, and Collets; Hand and Machine
5140 Tool and Hardware Boxes
5180 Sets, Kits, and Outfits of Hand Tools

Instruments and Laboratory Equipment

6605 Navigational Instruments
6610 Flight Instruments
6615 Automatic Pilot Mechanisms and Airborne Gyro Components
6620 Engine Instruments
6625 Electrical and Electronic Properties Measuring and Testing Instruments
6630 Chemical Analysis Instruments
6635 Physical Properties Testing and Inspection
6636 Environmental Chambers and Related Equipment
6640 Laboratory Equipment and Supplies
6645 Time Measuring Instruments
6650 Optical Instruments, Test Equipment, Components and Accessories
6655 Geophysical Instruments
6660 Meteorological Instruments and Apparatus
6665 Hazard-Detecting Instruments and Apparatus
6670 Scales and Balances
6675 Drafting, Surveying, and Mapping Instruments
6680 Liquid and Gas Flow, Liquid Level, and Mechanical Motion Measuring Instruments
6685 Pressure, Temperature, and Humidity Measuring and Controlling Instruments
6695 Combination and Miscellaneous Instruments

NAVY ITEM CONTROL NUMBERS

FROM NAVSUP P-485

1) General: NSNs (National Stock Numbers) are required for all items which are centrally managed or procured for supply system stock. Further, new items entering the Navy Supply System will be identified in time to permit assignment of NSNs prior to shipment from suppliers. There are a number of instances when a Navy Item Control Number (NICN) is used prior to assignment of a NSN. Included under the NICN designations are the following: ICP assigned control numbers, kit numbers, publications and forms ordering numbers, local Navy Activity Control (NAC) numbers, and other locally assigned numbers.

2) NICN FORMATS. The NIC is a 13-digit number which is comprised of the following parts:

Digits	Explanation
1-4	Federal Supply Classification (FSC) Code (Numeric).
5-6	Navy Item Control (NIC) Number Code (Alpha).
7-13	Serial Number (Alpha-Numeric).

NAVY ITEM CONTROL NUMBERS (cont.)

FROM NAVSUP P-485

A. The following NIC number codes are authorized for use in positions 5 & 6 of Navy Item Control Numbers. These are the codes which differentiate the types of NICNs:

NIC Number Code	Used to Designate
LD	Directives Ordering Number, e.g., 1234-LD-123-4567
LE	POSEIDON Items Common to TRIDENT, e.g., 1234-LE-123-4567
LF	Form Ordering Numbers (Cog II Material), e.g., 1234-LF-123-4567
LK	Aircraft Change Kit Numbers, e.g., 1234-LK-YAI-2345
LP	Publication Ordering Numbers (Cog 01), e.g., 1234-LP-123-4567
LQ	Aircraft Quick Engine Change Kit, e.g, 1234-LT-123-4567
LS	SSPO Alteration Kit Numbers, e.g., 1234-LS-123-4567
LT	System Software Change Kit, e.g., 1234-LT-123-4567
LW	All TRIDENT and C-4 Backfit Unique Items, e.g., 1234-LW-123-4567

NAVY ITEM CONTROL NUMBERS (cont.)

FROM NAVSUP P-485

B. Deviations from the standard format or for use of other than the alpha NIC Number Codes require approval by the Naval Supply Systems Command (SUP 4113). Those Navy Item Control Numbers assigned prior to the NSN conversion and up until 31 December 1974 are identified by 1 or 2 NIC Number Codes: 00 when all the digits are numeric (as in the case for forms and publications ordering numbers and name brand subsistence items) and LL when an alpha character appears in any position of the assigned NICN (e.g. aircraft change kit numbers and ICP/item manager assigned control numbers). All NICNs assigned after 1 January 1975 will contain a NIC Number Code as shown in paragraph 2a above.

Special Material Identification Code Index

PROJECT	SMIC CODE	PROJECT	SMIC CODE	PROJECT	SMIC CODE
A-1	AA	E-1	AE	H-1	AH
J33	AN	P-2	AP	TF30-P6/P408	AQ
S-2	AS	U-1	AU	OV-10	AV
COMMON A/F	AX	AWG-10	AY	AIMS	AZ
PREPROV ITEM	B4	OF4N TGT DRO	B5	AN/ASTA-POD	B6
AM/OPT-1EMIT	B7	A-3	BA	C2/E2	BE
F-4	BF	H-2	BH	BQM-34	BM
J34	BN	P-3	BP	T53	BQ
T-2	BT	U-6	BU	ARMAMENT FIR	BX
USM-247	BY	TACOS	BZ	RA-5C	CJ
BQM-11	CM	S-3	CS	NAFI MATL	CX
AWG-9	CY	ASTAC	CZ	A-4	DA
H-3	DH	J48	DN	T56	DQ
T-28	DT	U-11	DU	COM.ACFT ELE	DX
IHAS	DY	SHOEHORN	DZ	C-117	EC
E-2C	EE	F-8	EF	AQM-37	EM
J52	EN	EP-3C	EP	T58	EQ
0-435	ER	T-33	ET	U-16	EU
OV-10	EV	F402	EW	COM ELEK/PAR	EX
BRASO	EY	SATS	EZ	A-6	FA
C-118	FC	EA-6B	FE	F-9	FF
J57	FN	P-3C	FP	T64	FQ
0-470	FR	T-34	FT	COM ELEK PAR	FX
GFE	FZ	A-7	GA	C-119	GC

Special Material Identification Code Index

PROJECT	SMIC CODE	PROJECT	SMIC CODE	PROJECT	SMIC CODE
EA-6B	GE	F-18	GF	H-34	GH
0-2A	GJ	MQM-74	GM	J60	GN
T76	GO	T-39	GT	GEN AERO MAT	GX
TACAMO II	GZ	HELICOPTER	HC	OF-86F	HM
R1300	HR	SH60F	HT	METEOROL.MAT	HX
LAMPS	HZ	A-5	IA	T50	IO
GROUND PHOTO	IX	ARC-159	IZ	AV-8A/C	KA
C-121	KC	J65	KN	A/C CAMERAS	KX
ARN-52	KZ	EA-6B	LA	C-130	LC
H-43	LH	J-69	LN	T76	LO
R1340	LR	CH-53E	LU	SAFTY &SURVIV	LX
TACAMO III	LZ	A-7	MA	C-131	MC
F-4	MF	H-46	MH	J85	MN
T53	MO	R1820	MR	GUIDED MISSL	MX
J1FDATS	MZ	A-6C	NA	C-1	NC
F-4	NF	H-50 / J400	NH	J79	NN
T400/CP400	NO	R1830	NR	MH-53E	NU
COM JET ENGI	NX	APN-141	NZ	NFC-135	PC
C-2A	PE	F-14	PF	H-52	PH
J400/MOM-74	PN	TF30-P412/A	PO	COM ACFT ENG	PX
DIMOTE II	PY	APN-153	PZ	C-4	QC

Special Material Identification Code Index

PROJECT	SMIC CODE	PROJECT	SMIC CODE	PROJECT	SMIC CODE
H-53	QH	BQM-74C	QM	TF41	QN
R2800	QR	COM ACFT PRO	QX	METEOROL.EQU	QY
ASN-30	QZ	A-6B	RA	AN/ARD-182	RF
UH-1	RH	TARGET EQUIP	RM	AUX PWR UNIT	RX
AWG-21	RY	TACAMO IV B	RZ	ALQ-92	SE
F-18	SF	TF34	SN	SUB ANTENNA	SQ
AV-8B	SR	SPECIAL TOOL	SX	ASN-92	SZ
A-7E	TA	TRAIN DEVICS	TD	KA-6D	TF
F404	TN	AVIONIC SUPP	TX	DRS TRAM SYS	TY
ARN-84	TZ	TA-7C	UA	TRIDENT TRAI	UF
COMMON HELO	UH	TARG CONT SY	UJ	F402(AV-8A)	UN
R3350	UR	COMMON ACFT	UX	AN/UYS-1	UY
AN(AAM60(V)	UZ	EA-6A	VE	F-5E/F;T-38	VF
LAMPS MARK 3	VH	AYK-14(V)	VK	ESDS	VN
LAUNCHING	VX	DATS	VY	HATS	VZ
H-53	WH	H-46	WK	AN/ALQ-167	WM
COMMON ACFT	WX	ARN-194	WZ	C-2A(REPROCU	XC
EA-6B	XE	E-6A	XF	SH-60B	XH
F110-GE400EN	XN	T700 ENGINE	XQ	AN/ALR-40S/W	XW
COMMON ACFT	XX	CATS III D	XY	ACFT RADIOAC	XZ
AN/DLQ-3C	YM	TACAIR EWS	YW	COM ACFT SYS	YX
EWS ELECT AC	ZW	COM ACFT ELE	ZX	ARN-118	ZY
ALQ-126	ZZ				

Additional Header Field Values

SUPERSEDURE CODE: Reason for the SERD being Superseded. The displayable values are either F2 (Superseded for Future Procurement) or F3 (Alternate).

DELETE CODE: An alphanumeric combination listing the reason for deletion (ties to allowable values in SERD handbook).

Available DELETE CODES:

A1 - Evaluation Pending
B1 - Not Essential (Luxury Item)
B2 - Not Essential (No Maintenance Requirement) (Machine Generated, only on old SERDs)
*B3 - Not Essential (System Redesign)
*B4 - Not Essential (Component Redesign)
*B5 - Not Essential (Revised Maintenance Concept)
*B6 - Not Essential (System Not in Configuration)
B7 - Not Essential (System already included in Basic EA)
B8 - Disestablished List Code
B9 - Item included in tool control
C1 - Commercial Rework (*D* Maint. Level Only)
D1 - Contractor Resubmit
*F1 - Purged from inventory (Disposition Action Complete)
*G1 - SERD Item is part of another SE Item
H1 - Deletion of an Equivalent SERD
*I1 - Not SE
J1 - SE for GFE

Delete Transaction is passed to SERMIS (SERD Revisions Only)

Safety Issue. Obsolete. Purge Immediately

be sent if assets exist)

NOTE: FOR NIINS WITH ALL SERDS DELETED

When reversing Deleted SERDs, reversing deletions will reinstate the NSN. However, complete Logistics Support requirements must now be reprovisioned.

Item must be treated as a completely new item ICP supply support requirement.

Terminology:
DELETION = an "APPROVAL" Action on the SERD.
PURGE = a physical removal (elimination) of the data from the ADP System

CAUTIONS

- **Deleted Items may be Reinstated via SERD Revision**
- **Supersedures cannot be reinstated by SERD Revision alone and requires de-linking alternates from Primes in multiple ADP systems (AUTOSERD/MIF/SERMIS) before SERDs can be processed**
- **Code F1 will Delete ALL SERDs for the SE NIIN**
- **No one should PURGE a Pending SERD if no previously approved SERD is present in SEMS. The user should check the ACQ01 to ensur**

(NEVER PURGE A PENDING ORIGINAL - DELETE IT!!)

Additional Deletion Code Info

Available DELETE CODES:

A1 - Evaluation Pending
B1 - Not Essential (Luxury Item)
B2 - Not Essential (No Maintenance Requirement)
*B3 - Not Essential (System Redesign)
*B4 - Not Essential (Component Redesign)
*B5 - Not Essential (Revised Maintenance Concept)
*B6 - Not Essential (System Not in Configuration)
B7 - Not Essential (System already included in Basic EA)
B8 - Disestablished List Code
B9 - Item included in tool control (Machine Generated, only on old SERDs)
C1 - Commercial Rework (*D* Maint. Level Only)
D1 - Contractor Resubmit
*E1 - Purged from inventory (Disposition Instructions must be sent if assets exist)
*G1 - SERD Item is part of another SE Item
H1 - Deletion of an Equivalent SERD
*I1 - Not SE
J1 - SE for GFE
S1 - Safety Issue- Obsolete Purge Immediately

Delete Transaction is passed to SERMIS (SERD Revisions Only)

Using NIIN level deletion codes requires your SERD to be in Control and causes all applications to be deleted!

F1, I1, S1 are all NIIN Level Deletion Codes

The rest are Application Level deletions that only delete your specific application.

“Only exception is when you are a GFE End Article SERD and you are the only SERD for the NIIN, you would then delete every application listed on your SERD”

The J1 deletion code can not be used on a control SERD.

“The GFE End Article SERD must be established and in control before you delete your SERD as J1. This precludes CFE End Articles from deleting A SERD (and their application to the NIIN) before the GFE SERD is in place!”

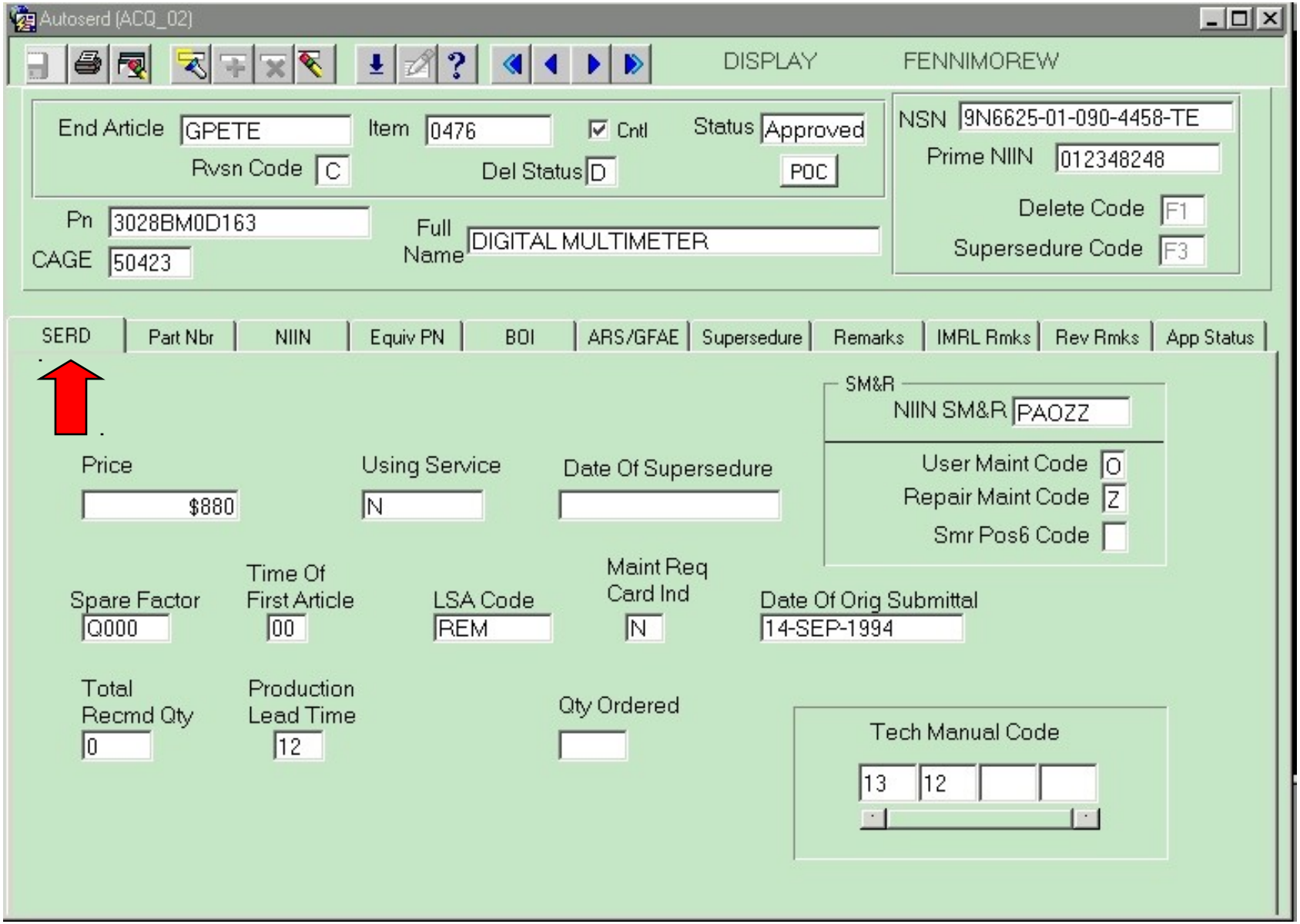
Supersedures, Configuration & Data Management References

DoD5000.2-R: Sec 4.3, Systems Engineering
"....System analysis and control activities shall be established to serve as a basis for evaluating and selecting alternatives, measuring progress, and documenting design decisions. This shall include:

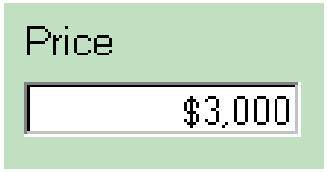
- **A configuration management process to control the system products, processes and related documentation. The configuration management effort includes identifying, documenting, and verifying the functional and physical characteristics of an item; recording the configuration of an item; and controlling changes to an item and its documentation. It shall provide a complete audit trail of decisions and design modifications.**

- **An integrated data management system to capture and control the technical baseline (configuration documentation, technical data, and technical manuals); provide data correlation and traceability among requirements, designs, decisions, rationale, and other related program planning, and reporting, support configuration procedures, and serve as a ready reference for the systems engineering effort. PMs shall use existing information systems and data formats rather than DoD-unique systems and formats provided they can readily meet the program's information requirements and do not pose compatibility**

THE SERD TAB


Autoserd (ACQ_02)
DISPLAY
FENNIMOREW
End Article GPETE
Item 0476
Cntl
Status Approved
Rvsn Code C
Del Status D
POC
NSN 9N6625-01-090-4458-TE
Prime NIIN 012348248
Delete Code F1
Supersedure Code F3
Pn 3028BM0D163
CAGE 50423
Full Name DIGITAL MULTIMETER
SERD
Part Nbr
NIIN
Equiv PN
BOI
ARS/GFAE
Supersedure
Remarks
IMRL Rmks
Rev Rmks
App Status
SM&R
NIIN SM&R PAOZZ
User Maint Code O
Repair Maint Code Z
Smr Pos6 Code
Price
$880
Using Service
N
Date Of Supersedure
Spare Factor
Q000
Time Of First Article
00
LSA Code
REM
Maint Req Card Ind
N
Date Of Orig Submittal
14-SEP-1994
Total Recmd Qty
0
Production Lead Time
12
Qty Ordered
Tech Manual Code
13
12

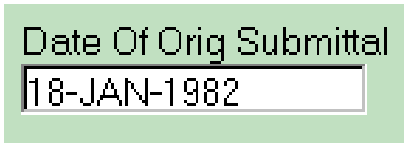
SERD Tab – Price & Dates



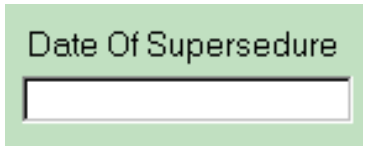
Price: **The ORIGINAL budgetary recurring unit price for the SE item. This cost is subsequent to technical data package availability and does not include developmental costs.**

During Processing, the contractor's estimated price for the SE item will be entered into AUTOSERD. This is a mandatory entry block!

Prices must be entered and cannot be less than $1.00. If no price given, use estimated price and detail how estimation was done in the General Remarks. (Similar SE cost, trade studies, cost analysis, etc)

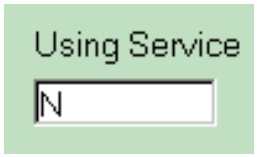


Date of Original Submittal: **Indicates date of the Original SERD creation in the database. The date provides quick reference to the age of the SE end item and the technologies incorporated at the time the SERD was submitted. It is also used to provide a timeframe between the original unit cost and present price inflation.**



Date of Supersedure: **Date the SERD became an Alternate SERD, dd/mm/yyyy format. Automatically filled in during the supersedure process.**

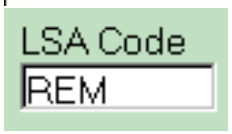
SERD Tab – Using Service & LSA



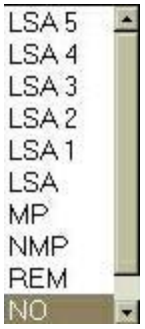
Using Service: **Identifies the SE to DOD Service(s) (Navy, etc.)/FMS participating in the End Article Contract.**

— A Service may manage Acquisition of SE used by another service! (Example: NAWCADLKE manages the V-22 program for Army/Coast Guard)

The list on the left are all currently available combinations of armed services branches who may potentially be using the given piece of SE.



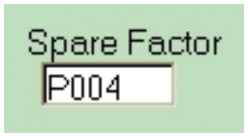
LSA Code: Indicates level of Logistics Support Analysis to be conducted on this proposed End Item of SE. The rationale for selecting the level of LSA involves the following considerations: schedule, data availability and relevancy, desired tasks, cost and complexity of the SE end item.



LSA5 - Requires a complete LSA including reliability and maintainability (R&M)
LSA4 - Requires LSA 5, with no R&M
LSA3 - Requires LSA4, Except Servicing Requirements Analysis
LSA2 - Requires LSA3, except Calibration Requirements Analysis
LSA2Mod – Requires Full LSA 2 + R&M
LSA1 - Requires LSA 2, except for computer-based analysis and a level-of-repair analysis
LSA - Same as LSA 5, except for any notes made regarding LSA testing in the Remarks area
MP - Maintenance Plan will be Developed
NMP - Narrative Maintenance Plan (Part 1)
REM - See Remarks for specific instructions
NO - No LSA required

All repairable SM&R coded SE must have either a LSA version, MP or NMP. Exception is for older SE End Items where a LORA (Level of Repair Analysis) or FMECA (Failure-mode, effects, and criticality analysis) was the only documentation prepared. Then "REM" is an acceptable entry provided a remark is entered in the Remarks field on the Remarks Tab. Remark should cite the LORA or FMECA that was performed. If the SE End Item is consumable (ie not repairable)

SERD Tab Field Descriptions



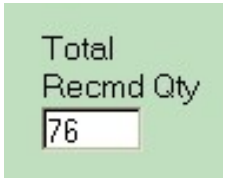
Spare Factor: To recommend a specific Quantity (repairables) or Percentages (consumables) of spares required to be procured by the PSICP for "O" and "I" Maintenance Level Support Equipment only. For D Level Maintenance (Depot), SE's spare factor = "Q000" (Don't spare for NADEPS). The first character will be either a P (for Percentage) or Q (for Quantity).

(Ex: P004=4 percent of operational, consumable quantities are recommended for initial spares procurement. Q002= two spares are recommended for initial procurement.)

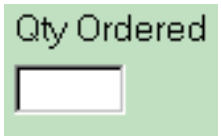
Time of First Article: The number of months between contract and delivery of first item to fleet (equal to Production Lead Time + Administrative Lead Time + Contractor Lead Time)

Production Lead Time: States how long (in months) the product would take to be manufactured and delivered by a contractor once an order is placed. No Administrative Lead Time is included in this number. ARO/LRO uses this data for SE Acquisition Management and Milestone Planning. It is an ICP required entry.

(Note: Production Lead Time CAN NOT BE ZERO!!)**

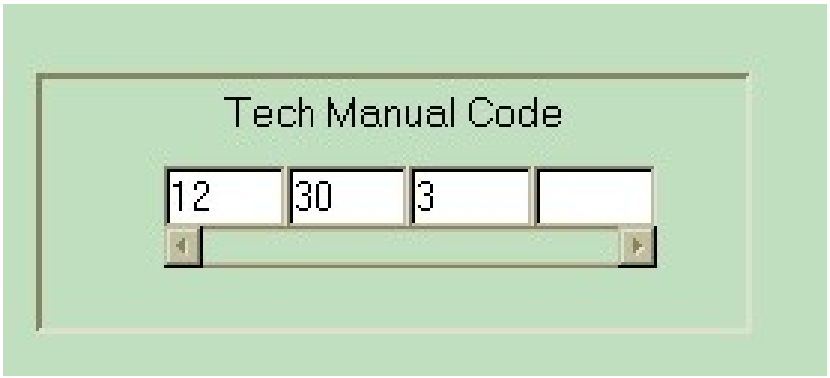


Total Recommended Quantity: Summarizes the total quantity of SE end items required (Inventory Objective).



Quantity Ordered: No longer applicable, the field is only displayed for older SERD records.

SERD Tab – Tech Manual

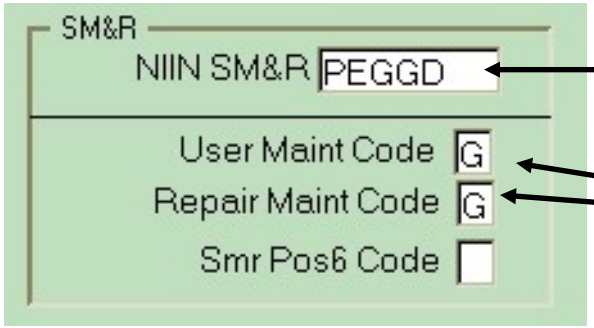


All Technical Manual Codes may be found in the SERD Handbook. Code Numbers Range from 1-30. When adding or deleting Technical Manual Codes within AUTOSERD, be sure to Save the Records before switching Tabs. When more than Four Technical Manual Codes are entered, the scroll bar across the bottom becomes active so the user may see all listed Codes. Code Numbers higher than 30 are possible as well, but must be explained further in the remarks section of the SERD.

AUTOSERD may display codes 51-55 which equate to previously defined tech manual code 1-5 (1988 and earlier) which did not meet the current definitions of 1-5. They are displayed for informational purposes only!

****Tip: Tech Manual Code 12 means the SERD requires Calibration and must be entered if the SERD is a calibration item.**

SERD Tab - SM&R Code

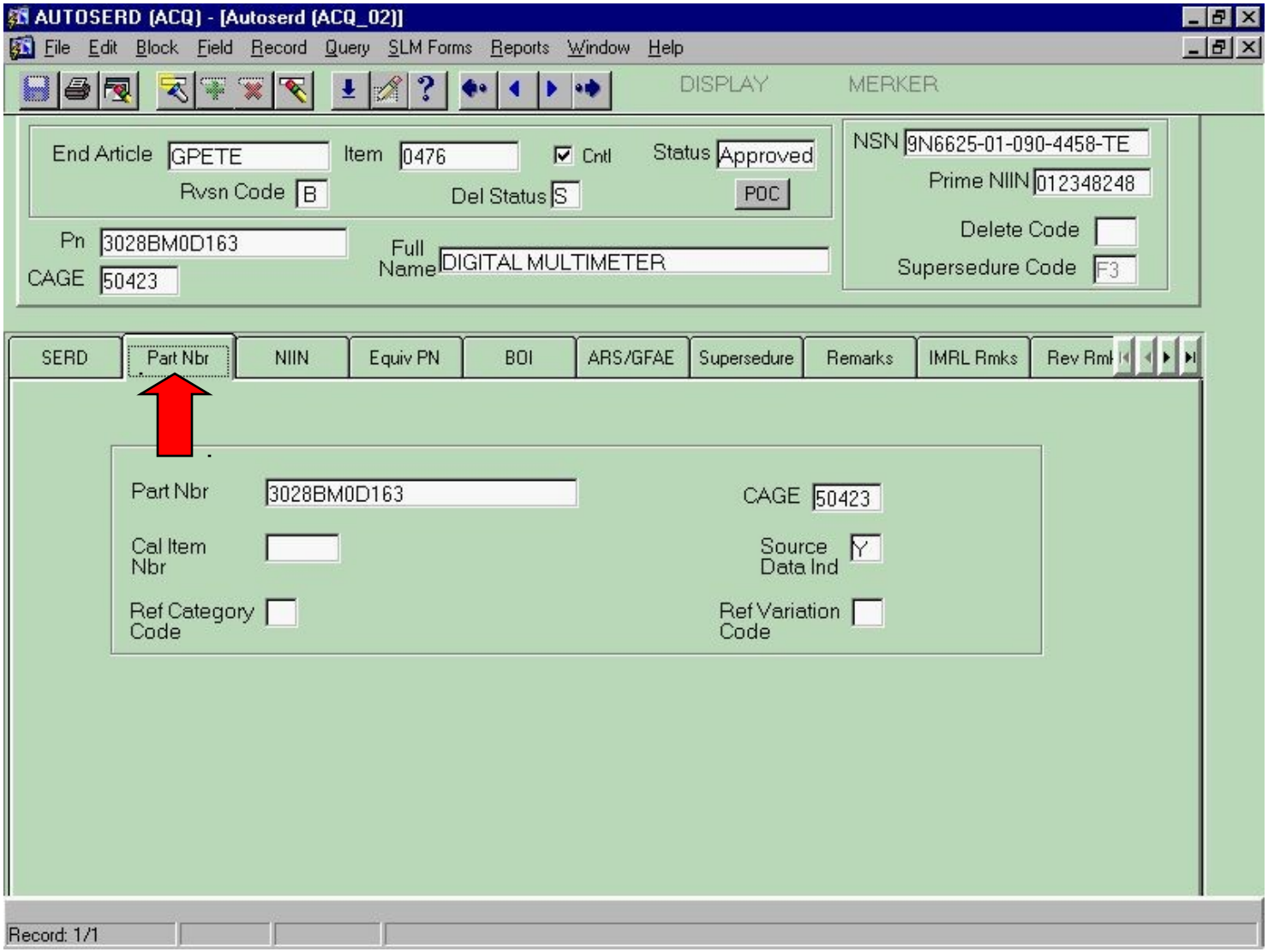


Control SM&R Code under the NIIN Application unique SM&R Code values for User level and Repair used for validation checks

While SM&R Code is determined originally by the NIIN, it is possible for certain position of the code to be MORE restrictive under the SERD. The User Maintenance Code (Position 3), Repair Maintenance Code (Position 4) and the Pos6 Code may be different under the SERD, though they may not be less restrictive! The NIIN SM&R values are assigned through the NIIN Tab. Information on possible values for these fields will be listed later in the course.

Restrictive here means that if, as in this example, you have an Intermediate Level SM&R code GG, you can go to a DD but not a OG. That is why the NIIN SM&R Code is displayed. IF I need to use this at O level then I must go to the controlling EA and get him/her to change the NIIN SM&R to allow O-level usage.

The Part Number Tab



Part Number Tab Field Info.

Part Number: **A Unique Number assigned to the SE Item by the actual manufacturer. (Same as header field)**

Calibration Item Number: **Designates a piece of Support Equipment that is used for Calibration of other SE. Only has a value if the SERD is considered a piece of Calibration Equipment. Naval Surface Warfare Center Corona, CA assigns the Calibration Item Numbers.**

CAGE: **Identifies the Actual Manufacturer. The CAGE code is a five-digit code used to identify the original manufacturer or the Government activity that has design control of the recommended SE end item.**

Source Data Indicator : **Indicates whether that specific P/N-CAGE is qualifying SERMIS data. Either a "Y" (yes) or "N" (no) is displayed**

Part Number Tab – RNCC & RNVC

Reference Number Category Code and Reference Number Variation Code are both NAVICP assigned information. The information is used to further identify the part number.

RCC Values

Code	Definition
1	Source Control Reference. The number assigned by a design control manufacturer of an end item of equipment, including a government activity, to a drawing which restricts procurement (1) to the specified item (s) described on the drawing and (2) to the stated source (s) of supply designated thereon.
2	Definitive Government Specification or Standard Designator Reference. A part number, style number or type designator included in or developed in accordance with a Government specification or standard which has the effect of fully identifying an item of supply. This code shall also be used for a Government specification or standard which, although not including part numbers, style numbers, or type designators, covers a single item of supply.
3	Design Control Reference. The primary number used to identify an item of production or a range of items of production, by the manufacturer (individual company, firm, corporation, or Government activity) which controls the design, characteristics, and production of the item by means of its engineering drawings, specifications

Part Number Tab – RNCC & RNVC

Reference Number Category Code and Reference Number Variation Code are both NAVICP assigned information. The information is used to further identify the part number.

RCC Values

Code	Definition
7	SPECIFICATION CONTROL REFERENCE. The number assigned by a design control manufacturer of an end item of equipment, including a government activity, to a drawing which delineates a commercial or vendor item for which all of the engineering and test requirements specified can be met without imposing restrictions essential in source control procurement. Includes only those drawings which meet the definition for "specification control drawing" in MIL-STD-100. Specification Control Drawings are administrative control numbers and shall not be used as part identification numbers.
8	NATO REPRODUCED ITEM REFERENCE NUMBER. A number representing a reproduction of a U.S. item of production by another NATO nation for which authorization to use the National Stock Number has been granted by the United States. The reproduced item represents the same item of production identified under the Federal Catalog System under the number of the U.S. Manufacturer producing the original item.
A	Design Category Packaging and Related Logistics Data Reference Number. The number of a document representing packaging and related

Part Number Tab – RNCC & RNVC

Reference Number Category Code and Reference Number Variation Code are both NAVICP assigned information. The information is used to further identify the part number.

RCC Values

Code	Definition
B	Non-design Category Packaging and Related Logistics Data Reference Number. The number of a Military Standard and applicable standard designation decoded in the standard publication.
C	Advisory Reference. A number assigned to an item of production not included in the item of supply concept to which the NSN has been or is being, assigned (e.g. an item that may have been used in the preproduction equipment design which has since been redesignated or replaced).
D	Drawing Number Reference. A number assigned by a design activity to a drawing or other technical documentation which identifies a drawing,/document that is related to an item of supply or production Code D ref on (RCC "D"

Additional Reference: DOD 4100.38M APPENDIX 111A/Table 6, 7
DOD Provisioning and other Procurement Screening Manual

Part Number Tab – RNCC & RNVC

Reference Number Category Code and Reference Number Variation Code are both NAVICP assigned information. The information is used to further identify the part number.

RCC Values

Code	Definition
4	Non-definitive Government Specification or Standard Reference. Any government specification or standard reference other than those indicated in Code 2 as definitive reference. The code shall be used for non-definitive government specifications or standard references and non-definitive government part numbers, type designators, and style numbers included therein with a Variation code of 1.
5	Secondary Reference. Any additional number other than a primary number (codes 1, 2, 3 & 4); informative reference (code 6) or specification control reference (code 7) assigned to an item of production or supply by a commercial or government organization, which represents the same item of production or supply to which the NSN was assigned. The reference number may have had an RCC of 1, 2, 3, 4 or 7 but has since been replaced in the item of supply concept of the NSN by another primary number.
6	Informative Reference. NATO Stock Numbers (FSCM 9995), Production Equipment Codes (FSCM 99998) and DOD Ammunition Codes (FSCM 99999) which may be related to NSNs. (Reference Numbers for

Part Number Tab – RNCC & RNVC

Reference Number Category Code and Reference Number Variation Code are both NAVICP assigned information. The information is used to further identify the part number.

RVC Values

Code	Definition
1	A design control reference of other reference number that does not identify an item of production without the use of additional information, or is either a specification, part, type, or similar reference number that does not identify an item of supply without the use of additional information.
2	A design control reference or other reference number that is an item-identifying number for an item of production, or is either a source control reference, a specification or a standard part, type or similar reference number that is an item identifying number for an item of supply.
3	A vendor's reference (part) number on a source control item, as defined in MIL-STD-100A, which is repairable through the removal, exchange, and reinstallation of component parts. The related Source Control Document Number will also reflect the code 3. This code is limited to a type 1B or 4B item identification.
9	A specification, standard, or other reference number which has been superseded, cancelled, is obsolete or discontinued and is coded Reference Number Category 5, the reference number is for

Determining RNVC and RNCC Priority through MIF

The MIF Process assigns a value to each potential value for both the RNVC and RNCC. This combined number determines the priority of the SERD for processing.

If no Value is Assigned in the box, than the default lowest priority is assigned (4 for RVC, 12 for RCC)

RNVC Values

Priority	Value
1	2
2	3
3	1
4	9

Example

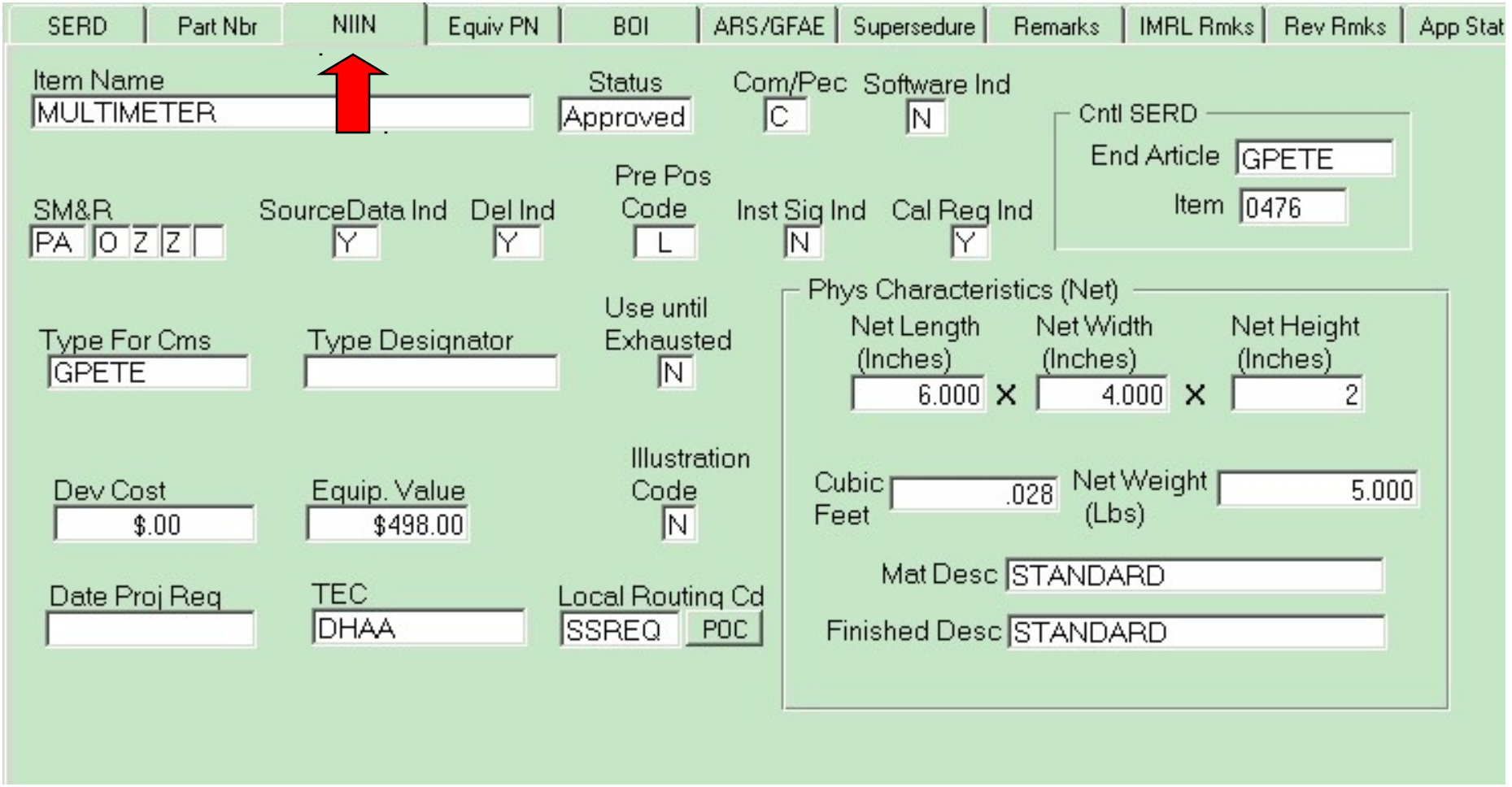
A SERD is assigned a RVC of 3, and a RCC of D, the MIF Process would give the SERD a Priority of 29 (2 for the RVC, 9 for the RCC). The lower the number, the higher the priority.

	RVC	RCC
Assigned Value	3	D
MIF Priority Value	2	9
	29	

RNCC Values

Priority	Value
1	1
2	2
3	3
4	7
5	5
6	4
7	6
8	8
9	D
10	A
11	B
12	C

The NIIN Tab


SERD
Part Nbr
NIIN
Equiv PN
BOI
ARS/GFAE
Supersedure
Remarks
IMRL Rmks
Rev Rmks
App Stat
Item Name
MULTIMETER
Status
Approved
Com/Pec
C
Software Ind
N
Cntl SERD
End Article
GPETE
Item
0476
SM&R
PA
O Z Z
SourceData Ind
Y
Del Ind
Y
Pre Pos Code
L
Inst Sig Ind
N
Cal Reg Ind
Y
Type For Cms
GPETE
Type Designator
Use until Exhausted
N
Phys Characteristics (Net)
Net Length (Inches)
6.000
Net Width (Inches)
4.000
Net Height (Inches)
2
Dev Cost
$.00
Equip. Value
$498.00
Illustration Code
N
Cubic Feet
.028
Net Weight (Lbs)
5.000
Mat Desc
STANDARD
Finished Desc
STANDARD
Date Proj Req
TEC
DHAA
Local Routing Cd
SSREQ
POC

NIIN Tab - SM&R Code

Positions 1 & 2

These Identify the Source Code and are the means of acquiring the SE End Item, either through Procurement, Manufacture or Assembly.

Tip:

If the first position is either 'M' (Manufacture) or 'A' (Assemble), then IMRL Remarks must be added!

Possible Source Code Values:

PA
PB
PC
PD
PE
PF
PG
PH
PR
PZ

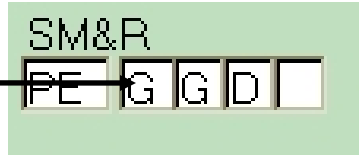
MO
MF
MH
ML
MG
MD

AO
AF
AH
AL

AG
AD
XA
XB
XC
XD
KD
KF
KB
??

PA - Procure, Item: Stocked
PB - Procure, Item: Stocked, insurance
PC - Procure, Item: Stocked, Deteriorative
PD - Procure, Item: Support, Initial Issue of Outfitting & Stocked only for Additional Initial Issue
PE - Procure, Equipment: Support, Stocked for initial issue or outfitting of Specified Maintenance Activities
PF - Procure, Equipment: Support, Nonstocked, Centrally procured on demand.
PG - Procure, Item: Stocked for sustained support. Uneconomical to produce at a later time
PH - Procure, Item: Stocked, contains HAZMAT. HMIS/MSDS Reporting Required
PR - Procure, Terminal or Obsolete, Replaced
PZ - Procure, Terminal or Obsolete, Not Replaced
MO - Manufacture (M), Mfr or Fab at Unit Level
ML - Manufacture, Mfr or Fab at Specialized Repair Activity (SRA)
MG - Manufacture, Mfr or Fab at both Afloat or Ashore
MD - Manufacture, Mfr or Fab at Depot Maintenance Level
AO - Assemble (A), Item: Assembled at Organization/Unit
AF - Assemble, Item: Assembled at Intermediate Level - Afloat
AH - Assemble, Item: Assembled at Intermediate Level - Ashore
AL - Assemble, Item: Assembled at SRA
AG - Assemble, Item: Assembled Afloat or Ashore
AD - Assemble, Item: Assembled at Depot Maintenance Level
XA - Miscellaneous (X), Item: Requisition Next Higher Assembly
XB - Miscellaneous, Item: Not procured or Stocked. Available through Salvage. Req. by CAGE/Part Number
XC - Miscellaneous, Installation Drawing, Diagram, Instruction Sheet, Identify by CAGE/Part Number
XD - Miscellaneous, Non-Stocked. Obtain via Local Purchase
KD - Repair Kit Component (K), Item: Depot O/H & Maintenance Kits
KF - Repair Kit Component, Item: Maintenance Kit, Place at O, F, H, L
KB - Repair Kit Component, Item: In both Depot Repair and Maintenance Kits
?? - Indicates incorrect value entered in field

NIIN Tab - SM&R Code Maintenance Codes



Positions 3 & 4

These positions are used as Maintenance Codes.

Position 3 Identifies the lowest authorized use to remove/replace the item.

Possible Position 3 Values:

- **O - Organization or Unit**
- **F - IMA Afloat**
- **G - IMA Afloat and Ashore**
- **H - IMA Ashore**
- **K - Contractor Facility(Should not be used)**
- **L - Intermediate SRA**
- **D - Depot Level**
- **Z - Reference only**
- **2 - Minesweeper**
- **3 - Submarines**
- **4 - Aux/AMPHIB**
- **5 - Destroyer, FFG**
- **6 - Cruiser/Carrier**
- **? - Indicates incorrect value entered in field**

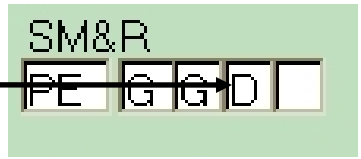
Position 4 identifies the lowest authorized Maintenance Level to repair the item completely.

Possible Position 4 Values:

- **O - Organization or Unit**
- **F - IMA Afloat**
- **G - IMA Afloat and Ashore**
- **H - IMA Ashore**
- **K - Contractor Facility**
- **L - Intermediate SRA**
- **D - Depot Level**
- **Z - Non-Repairable**
- **B - Non-repairable Item, can be reconditioned, no repair parts required**
- **2 - Minesweeper**
- **3 - Submarines**
- **4 - Aux/AMPHIB**
- **5 - Destroyer, FFG**
- **6 - Cruiser/Carrier**
- **? - Indicates incorrect value entered in field**

NIIN Tab - SM&R Code Recoverability Code

Positions 5 & 6



Position 5 is the Recoverability Code. It identifies the lowest level authorized to either dispose of or completely repair the system.

Possible Position 5 Values:

- **F - Repairable Item, Condemn at IMA Afloat**
- **G - Repairable Item, Condemn at IMA Afloat and Ashore**
- **H - Repairable Item, Condemn at IMA Ashore**
- **K - DLR: Contractor Facility**
- **L - Intermediate SRA Level**
- **O - Organization/Unit**
- **D - DLR; Condemn or Dispose at Depot**
- **Z - Non Repairable, Condemn at Level Indicated in Position 3**
- **A - Non-repairable, but requires Special Handling for Disposal**
- **? - Indicates incorrect value entered in field**

Position 6 identifies the Service Option Code. It is a supplemental code used to modify/clarify SM&R Code *only* as required. It is assigned to convey specific information to the service's logistics community/operating forces. The 6th position is Optional.

Possible Position 6 Values:

- **1 - I-Level, 1st Degree**
- **2 - I-Level, 2nd Degree**
- **3 - I-Level, 3rd Degree**
- **6 - Commercial Item, Organically Manufactured**
- **8 - Non-Consumable; 2nd Degree Engine I-Level**
- **9 - Non-Consumable; 3rd Degree Engine I-Level**
- **E - End to End Testing prior to BCM or disposal Actions**
- **J - Interservice Dealer Repairable below D-Level**
- **P - (4th Position 'O') Progressive Maintenance**
- **R - Gold Disc Repair**
- **T - Training Devices, Source Coded PD**
- **? - Indicates incorrect value entered in field**

Assignment of SM&R Codes

DISCUSSION:

ASSIGNMENT OF SM&R CODES (POSITION 1-5) IS DONE BY AP

CONTROL SERD ALWAYS ESTABLISHES LOWEST AUTHORIZED USAGE.

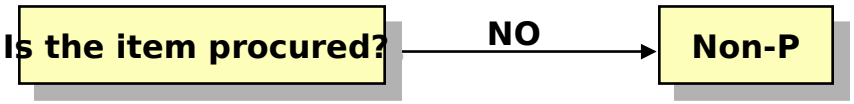
APPLICATION SM&R CODE (IN AUTOSERD) IS UNIQUE TO END ARTICLE.

When the First Position = "M" OR "A" IMRL REMARKS ARE REQUIRED (LISTING PUB AND DRAWING NO. FOR MFG INSTRUCTIONS), EXCEPT WHEN THE ITEM IS SOFTWARE (MDXXX).

MANUFACTURED ITEMS DO NOT HAVE ANY "P" CODED PIECE PARTS.
Normally are consumable due to their very nature of being manufactured out of raw materials at the O or I level based on simplistic drawings.

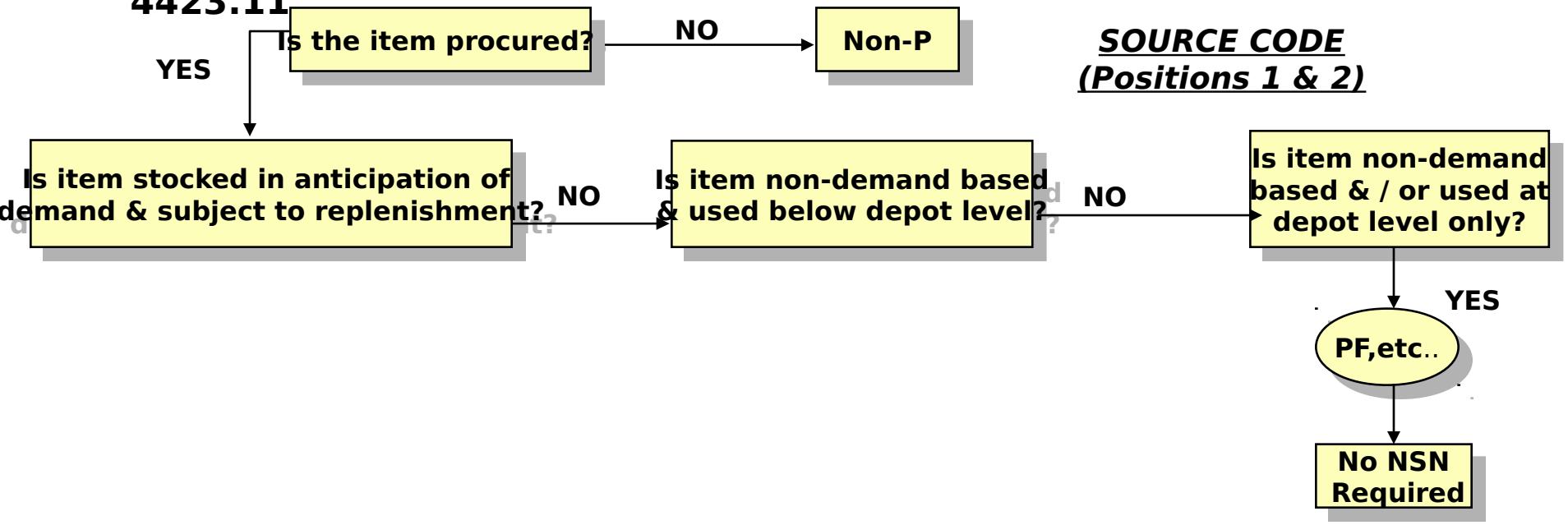
ASSEMBLED ITEMS HAVE AT LEAST ONE "P" CODED PIECE PARTS AND MAY ALSO HAVE MANUFACTURED PIECE PARTS.
Normally are repairable due to their very nature of being assembled out of procurable parts (e.g. Adapters, Cables, Wiring Harnesses, etc.)

REFERENCES:
NAVSUP P-719 GUIDE FOR THE ASSIGNMENT, APPLICATION AND USE OF SOURCE, MAINTENANCE AND RECOVERABILITY CODES (COG I Stock Number 0530-LP-011-2960)

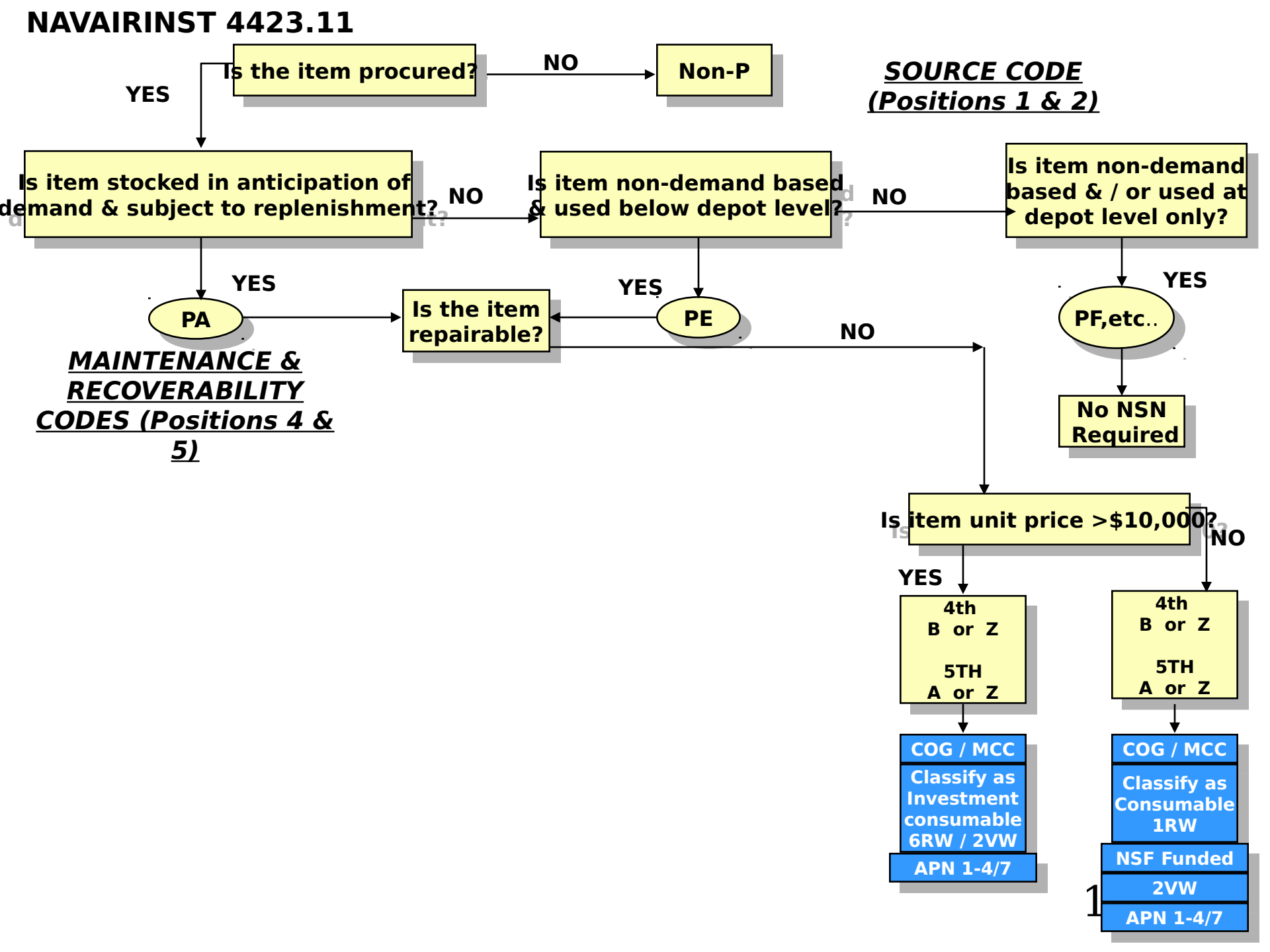


SOURCE CODE
(Positions 1 & 2)

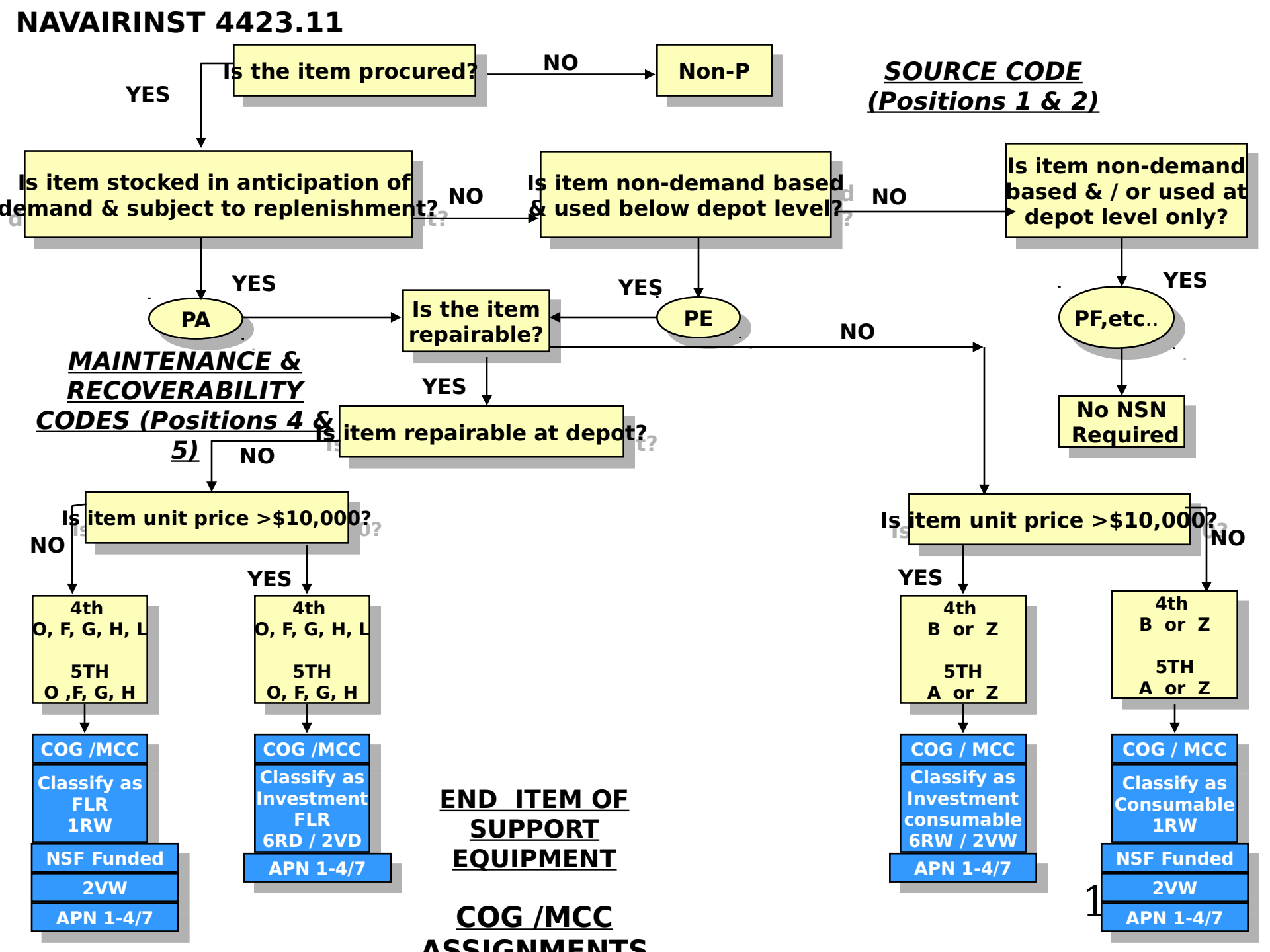
NAVAIRINST 4423.11



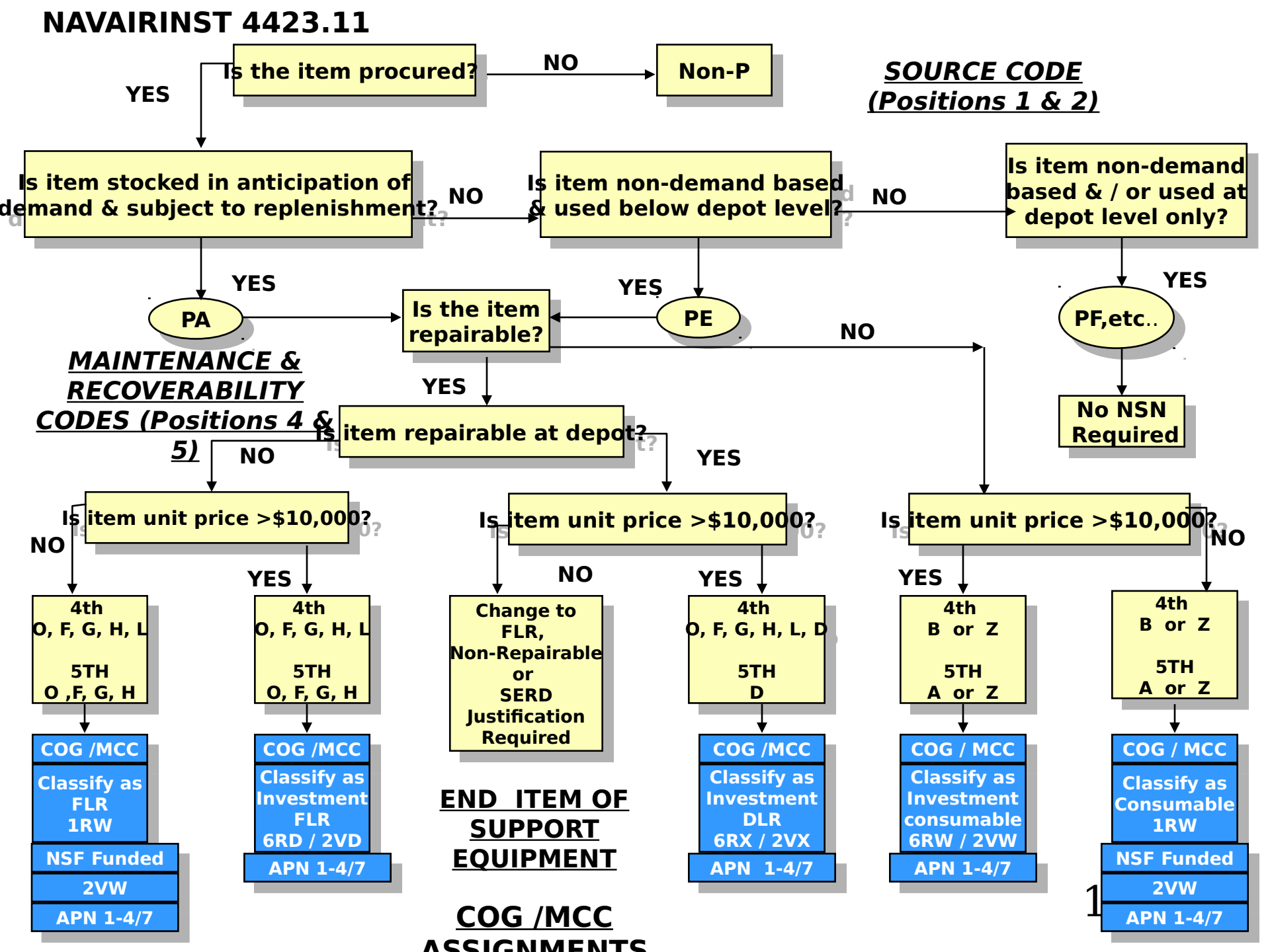
NAVAIRINST 4423.11



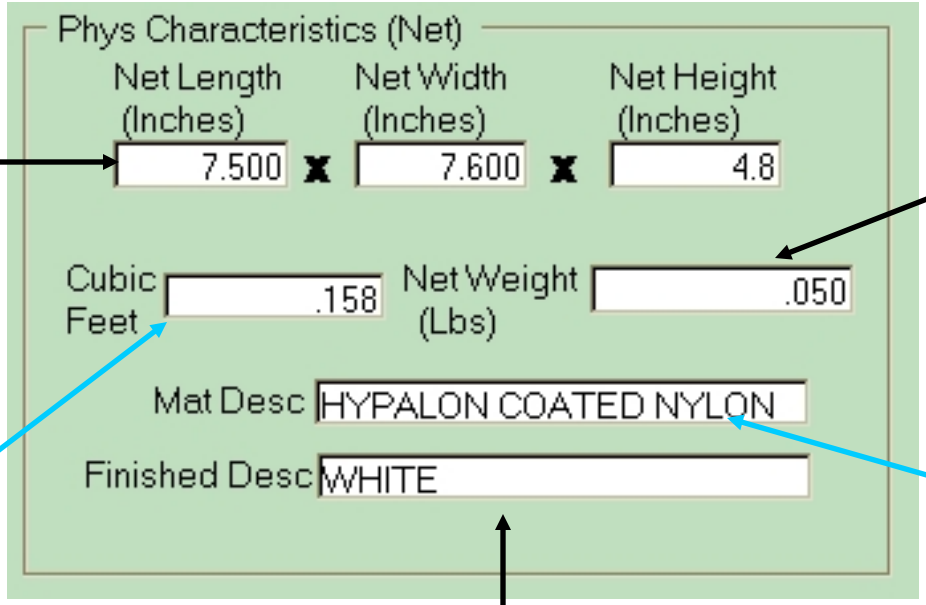
NAVAIRINST 4423.11



NAVAIRINST 4423.11



NIIN Tab - Physical Characteristics



Actual Three Dimensional Values for each and every piece of SE where the data exists in net dimensions.

SE End Item's weight in pounds

The Net dimensions above multiplied by each other.

Describes the exterior description of the SE item.

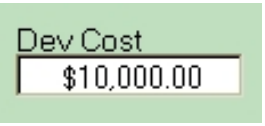
Examples Include:

Paint, Black Oxide, Varnish, etc.

Listing all components the item was constructed from, it displays all additional data needed solely to finish the dimension requirements. Examples include:

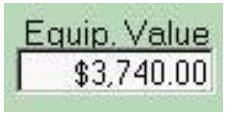
Steel, Aluminum, Paper, etc.

NIIN Tab Field Information



Development Cost: The estimated price for design, fabrication, qualification testing, tooling, pass through cost and ILS (Integrated Logistics Support) for the queried entity. The cost is non-recurring, represents the commercial not-in-inventory price of purchasing and qualification, and does not include cost of Production SE and software.

Development cost also includes the cost for mod kits to upgrade existing configuration SE assets to the most current configuration.

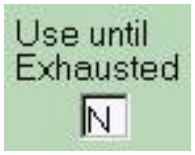


Equipment Value: Net Value of the Equipment at the current time. AUTOSERD will extract the current Uniform Inventory Control Price (UICP) from the NAVICP Master Data File (MDF).

This is the ONLY price passed to SERMIS!

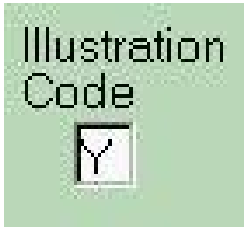
Equipment value only gets changed when NAVICP updates the MDF price for the SE based on current acquisitions or supporting documentation from the ARO. SEMS AUTOSERD Bulletin #33 Unit Price Clarification of 2 December 2003 applies.

Calibration Required Indicator: To indicate that the SE item either requires (Y) or does not require (N) calibration. Determination is made at the time of the Original SERD creation. If the SE measures electrical/electronic parameters, pressure, flow, force, speed, vibration or dimensions, then calibration is required. If Calibration is Required, then **Tech Manual Code 12 must be entered!**



Use Until Exhausted: Displays the decision on whether the NIIN should be coded use until exhausted for alternates or replacement buyout NIINs ONLY. Either a 'Y' or 'N' will be displayed.

NIIN Tab - Illustration Code



<u>Illustration Code:</u> Displays whether or not there is a SE Illustration of the SE Item on file currently. Either a 'Y' or 'N' will be displayed. The SEI Index Code (DENA607) is incorporated into DoD-STD-300

ARO / TRO decides if SE might be adapted to other applications/uses.

- **-- Orders SEI for all new procurement**
  - **- Developmental / Standard items**
  - **- CSE / PSE field**
  - **- Repairables and nonrepairables**
- **-- Orders SEI for any reprocurement i**
  - **- SEI not previously ordered**
  - **- SE might now be adapted to othe**
- **-- Not usually ordered for:**
  - **- SE components or subassemblies**
  - **- Tool kits, fixtures**
  - **- Small containers, cabinets, adapters**
- **-- Obtaining SEI's**
  - **- Order via technical manual contract requirement (TMCR)/NATEC approval**
  - **- Specify on contract data requirements list (CDRL)**
  - **- SEI's prepared IAW DE-E-6120**

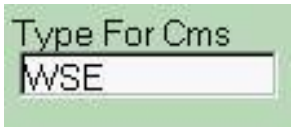
DATA USE:

MIL-HDBK-300, Technical information file (TIF) of SE

- **-- Screening document**
- **-- SEI's Are included**
- **-- TIF used DOD-Wide**
- **-- NAVY POC is NAWCADLKE CODE 3623**

NIIN Tab – Del Ind/ Type for Cms/ Proj Date Req

Delete Indicator: Shows the current status of the NIIN in relation to SERMIS. All SERD records were defaulted to 'N' at load.



Type for CMS: Shows the Commodity Class of the SERD (selected from the predefined list of Classes of Commodity Master SERDs from the SERD Handbook).

Date of Projected Requisition: Date the fleet is allowed to begin requisition for the item.

Type Designator

Type Designator
LS-81A

<u>Type Designator</u>: Shows the Government Type Designator Name currently assigned to the SERD. The purpose is to provide a specific combination of letters & numbers to form identification of equipment, component or unit by type. Used to identify equipment on nameplates and indicates interchangeability & substitutability.

Sources of Data:

Contractor requests SE Type Designation Assignment via DD form 61, per Contractual Requirements.

Government Activity makes DD Form 61 Request for Government designed SE. Submits to NAWCADLKE Code *SR33 IAW MIL-N-18[illegible] MIL-STD-196* and *MIL-STD-875* describe procedures for a[illegible] Type Designators

DO NOT USE THE TYPE DESIGNATOR AS THE PART NUMBER!!!

Aeronautical and Support Equipment Type Designation System

ASETDS distinguishes between complete systems and components. The US military uses detailed definitions of "Item Levels" from single "Parts" to complete "Systems", and a brief explanation of all terms relevant to the discussion of ASETDS can be found here. ASETDS does not designate parts and assemblies, and uses different designation schemes for the other item types.

Complete Equipment

These designations cover sets, subsystems and systems and also include equipment items like vehicles, shelters, etc.

Examples:

A / E 37 T - 24 (V)2

All designations are prefixed by "A/" (for "Aero"). In the original (AFR 81-9) form of the system, the prefix "AF/" (for "Air Force") was used, but this was changed with the introduction of ANA Bulletin 440.

Letter (1) indicates the installation location of the equipment:

- **A - Aerospace Vehicle**
- **B - Aerospace Vehicle (Mission Expendable)**
- **C - Ground/Airborne Combination**
- **E - Ground, Not Fixed**
- **F - Ground, Fixed**
- **M - Ground, Self-Contained (movable, but not self-propelled)**
- **N - Aircraft or Missile Transported (see note 1)**
- **P - Individual Person**
- **S - Ground, Self-Propelled**
- **U - Multiple or Combination**

Aeronautical and Support Equipment Type Designation System (cont.)

The two-digit code (2) indicates the type of the equipment. Digits 0 and 1 were originally omitted, to avoid confusion with letters O and I. MIL-STD-1812, however, introduced the new type codes 40 and 41.

- 22 - Apparel
- 23 - Chemical
- 24 - Electrical
- 25 - Explosive
- 26 - Gaseous
- 27 - Hydraulic
- 28 - Pliable Material (e.g. fabric, rubber)
- 29 - Rigid Material (e.g. metal, wood)
- 32 - Mechanical
- 33 - Nuclear
- 34 - Pneumatic
- 35 - Optical
- 36 - Opto-Mechanical
- 37 - Electromechanical
- 38 - Invisible Light
- 39 - Inertial
- 40 - Electro-Optical
- 41 - Pneumatic-Mechanical
- 42 - Electrohydraulic
- 43 - Manual
- 44 - Internal Combustion
- 45 - Biological
- 46 - Pneumatic-Hydraulic
- 47 - Electropneumatic
- 48 - Hydromechanical
- 49 - Gunnery
- 82 - Mobile Deployment (Bare Base) - Miscellaneous
- 83 - Mobile Deployment (Bare Base) - Medical
- 84 - Mobile Deployment (Bare Base) - Billeting/Administration
- 85 - Mobile Deployment (Bare Base) - Shop Facilities (except electronics; see note 2)
- 86 - Mobile Deployment (Bare Base) - Food Servicing
- 99 - Miscellaneous

The Type Designator Code

Letter (3) defines the purpose of the equipment:

- **A - Aerospace Vehicle Support**
- **B - Bombing and/or Fire Control (non-electronic; see note 2)**
- **C - Air Conditioning**
- **D - Detection**
- **E - Destruction**
- **G - Flight Control and/or Navigation (non-electronic; see note 2)**
- **H - Loading or Cargo Handling**
- **J - Indicating**
- **K - Munitions Handling**
- **L - Lubricating**
- **M - Aerospace Vehicle Maintenance**
- **P - Protection**
- **Q - Reconnaissance (non-electronic; see note 2)**
- **R - Refueling**
- **S - Personnel Support**
- **T - Testing**
- **U - Special or Combination (and any purpose not otherwise covered)**
- **V - Maintenance (other than aerospace vehicle)**
- **W - Graphic Art**
- **X - Identification**
- **Y - Dissemination**

(4) is the model number. Each Installation-Type-Purpose combination uses its own model number sequence, starting at 1.

The optional suffix letter (5) denotes a specific version of the equipment. The first version uses no suffix, the first modifcation uses "A", etc. The letters "I" and "O" are not used as version suffix.

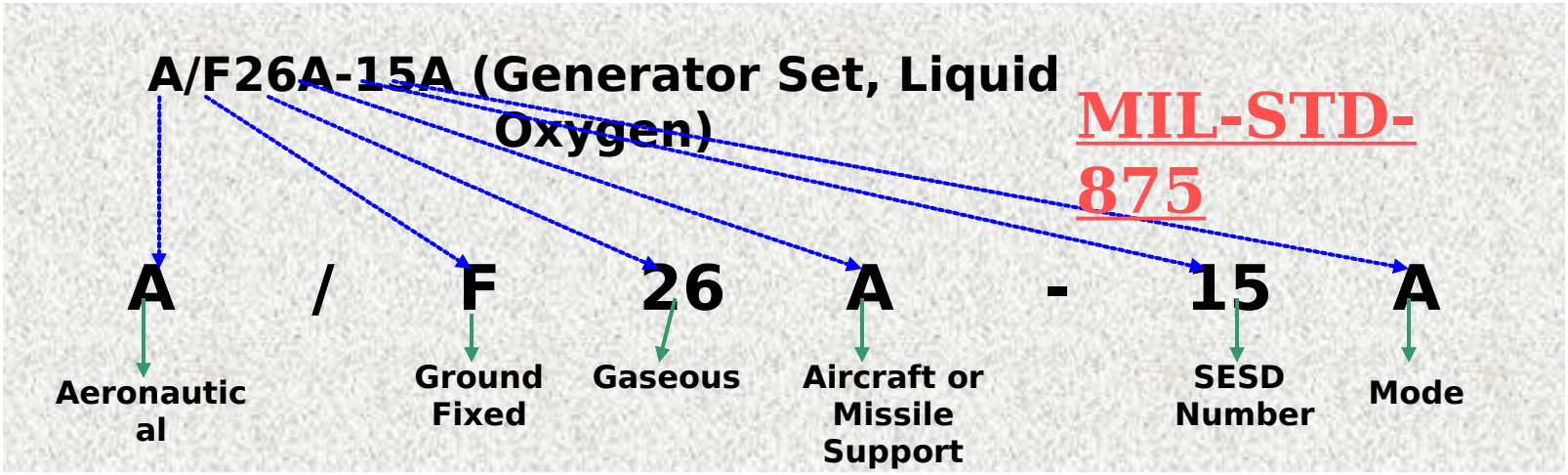
(6) The "(V)" symbol indicates an equipment with variable components (sets, groups or units). A number following the "(V)" is used to designate a specific version of the equipment, i.e. with a specific component configuration. If a component of a set or system is of variable configuration, i.e. carries a "(V)" symbol, the set or system itself must also use the "(V)" symbol.

Notes:

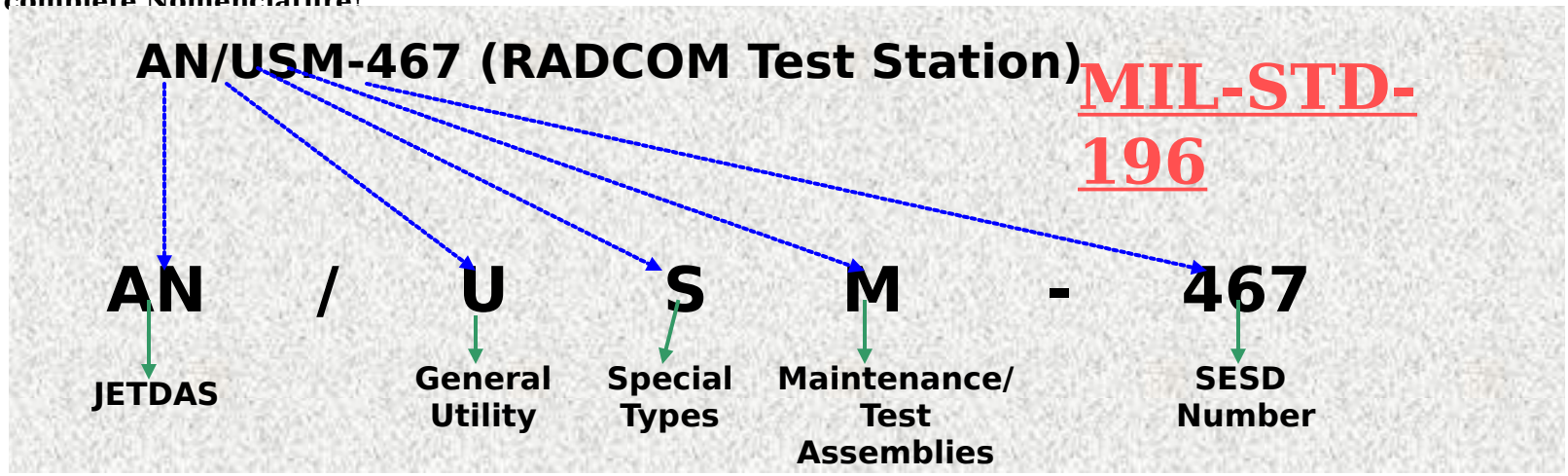
1. Installation letter "N" is only used, if the equipment is neither installed in the aerospace vehicle (letter "A") nor mission-expendable (letter "B").

2. Electronic equipment is always designated under JETDS.

Government Type Designation



Note: This Type Designation data element is used in combination with the Item Name to form the SE End Item's complete Nomenclature!



AN - Joint Electronics Type Designation Automated Systems (JETDAS), formerly known as the Joint Army-Navy Nomenclature System (AN System)
U - General Utility
S - Special types, magnetic, etc. or combination of types
M - Maintenance and/or test assemblies (including tool)
467 - SESD number
Note: This Type Designation data element is used in combination with the Item Name to form the SE End Item's complete Nomenclature!

NIIN Tab – Installation Significant

Installation Significant Indicator: Used to flag SE that requires special servicing whether shipboard or shore-based. Either a 'Y' or 'N' will be displayed. The requirements for pneumatics, chilled water, ancillary SE, Space (Width, Height and Weight Considerations), Power, Tie Down Provisions, etc. make an end item an installation significant candidate.

Installation Significant SE requires installation drawings from the contractor IAW DID DI-ILSS-80454 for Shipboard Installation, usually avionics & facilities. .

Discussion **The value for this field is chosen at the time of SERD creation!**

I Level SE used afloat or Both and allowanced in the R5 GO , and FE List Series (Usually 2V/6R COG SE). Includes all SE requiring the use of GFAE in a "Hot Bench" Test Setup. Among the criteria that would single out the SE candidate for a "Y" entry in this block are requirements for pneumatics; chilled water; ancillary SE; space considerations; power; vibration & shock mounting; tie down provisions, etc.

NIIN Tab – Installation Significant

If a "Y" is entered, comments must be added to Remarks (Misc)detailing the specific servicing requirements. Any SERD coded "Y" in this field must be sent to NAVAIRWARCENACDIVLKE Code 4851 for review. The exception to this rule is CASS-related SE installations, which are forwarded to NAVAIRWARCENACDIVLKE Code 4852, CASS Site Activation.

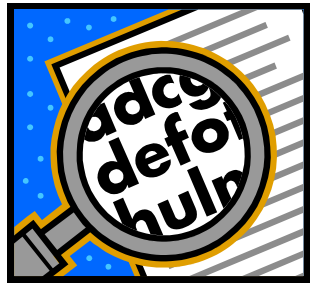
Following SERD approval, the contractor is required to furnish SEID to define the facility and SE interface criteria. At a minimum, this is to include information pertaining to the equipment's physical properties; space demands; mounting details; electrical, pneumatic, and cryogenic needs; and safety provisions.

LSA070 format SERDs require a narrative description of the considerations required for the installation of the SE item. Discussion should include any equipment needed to install the item, such as cranes, hoists, etc. In the event that modifications to existing facilities are required (to house the SE), a facilities data table must also be included.

NIIN Tab -TEC

TEC
GVAN

Type Equipment Code: "OPNAVINST 4790.2H of June 1, 2001 on TEC (appendix K) reveals: "TECs are 4-character codes which identify either the end item or category of equipment on which work is performed. Codes in each specific category are structured in the manner best suited to describe the equipment concerned. To Maintain the stability of historical data, a TEC is considered unique to an end item over its life cycle and for 5 years after the end item has been retired for reporting purposes. Afterward, the TEC is considered to be deactivated. A deactivated TEC may be reassigned for a new application if deemed necessary by SPAWARSYSCEN Chesapeake, VA." USN uses TEC to Specify the SE Item for 3M Data System Use. Ties an item to the type/model/series of aircraft or equipment and/or ties the OTPS (and elements) to an ATE Station. ALL SE MUST have a TEC Assigned.



--All maintenance significant SE must have a unique TEC.

--All non-repairables must have a family TEC.

--All requests for TECs must be submitted to NAWCADLKE 324.

All Type Equipment Codes are available at the following website:

HTTP://WWW.NALDA.NAVY.MIL/AV3MAPPS/AV-3M/AV3MRPT.CFM

D SERIES TECs for PME

D Series – PME Codes in this series are assigned only through the second position, to indicate broad subcategories of PME. Codes are assigned to conform as closely as possible to WUC groupings used in NAVAIR 16-1-8 WUC Manuals. The third and fourth position of these codes may be further assigned locally if desired, for example, DBAB, DBAC, and DBBA. In the event this breakdown is desired, its use will be controlled by the local MO and issued/coordinated by QA.

DAAA - Flight Reference Test and Check Equipment

DBAA - Communications Test and Check Equipment

DCAA - Navigation Test and Check Equipment

DDAA - Weapon Control Test and Check Equipment

DEAA - Weapon Delivery Test and Check Equipment

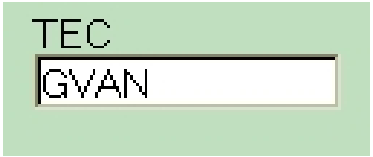
DFAA - Electronic Countermeasures Test and Check Equipment

DGAA - Semi-Automatic Check-Out Equipment

DHAA - General Electronic Test and Check Equipment

DZAA - Other

G series TECs for CSE



G Series: Common Support Equipment and Aeronautical Expeditionary Airfield Equipment. Equipment in this code series is identified by subcategory, group, and individual designation. Equipment assigned G series must be repairable and able to perform their intended function independently. The general equipment group is indicated by a code ending in A, for example, GACA=Diesel Engine Driven Electric Generator Units. This code may be used when (1) the specific equipment T/M/S designation is not known, (2) when a unique TEC is not assigned to the specific equipment involved, or (3) when work is performed on several different T/M/S equipment in the same general group, documented as a single maintenance action. However, codes ending in A should not be used where a more specific code can be applied. An example of code structuring in this series is as follows:

GACB - SUN MODEL NC-10 Diesel-Driven Mobile Electric Power Plant

G - Equipment Category (common support equipment)

GA - Equipment Subcategory (electric generator units)

GAC - Equipment Group (diesel engine driven electric generator units)

GACB - Sun Model NC-10

S series TECs for PSE

S Series: Aircraft PSE Equipment in this category is identified by aircraft application, subcategory, and individual model & type number. Equipment assigned S Series TECs must be repairable and able to perform their intended function independently. The general equipment application and subcategory is indicated by a code ending in A, for example, SCBA = A-6 aircraft SACE equipment. This code may be used when the specific equipment type or model designation is not known, or when an unique TEC is not assigned to the specific equipment involved. However, codes ending in A should not be used when a more specific code can be applied. An example of code structure is as follows:

SCBH - A-6 Aircraft Computer Test Console, OA-3734/ASM-77

S - Equipment Category (aircraft PSE)

SC - Aircraft Application (A-6)

SCB - Equipment Subcategory (SACE equipment)

SCBH - Equipment Model & Type (OA-3734/ASM-77 computer test console)

S_CA = Handling Equipment (e.g.: SHCA = P-3 Handling Equipment)

S_DA = Test Stands and Sets (e.g.: S1DA = H-1 Test Stand & Sets)

S_EA = Inspection and Maintenance (e.g.: SCEA = A-6 Inspection & Maint.)

S_GA = Servicing Equipment (e.g.: SWGA = F/A-18 Servicing Equipment)

CASS & Legacy ATE related SE TECs

All SE with either a *QM*, QI or *QS* List Code entered on the BOI/Systems screen must have the below T/M/S generic CASS OTPS TEC assigned or the TEC for the Legacy ATE Station that the SE is used on when not covered by one of the below TECs.

PMA-260 has coordinated the use of T/M/S generic TECs for OTPS SE End Items.

"The following OTPS SETS Type Equipment Codes were assigned. Letters from SPAWAR to follow.

H-60 OTPS SETS - S5YB

E-2 OTPS SETS - SDYB

EA-6 OTPS SETS - SCYB

AV-8 OTPS SETS - SVYB

FA-18 OTPS SETS - SWYB

We still have other TECs to be assigned and will send out a message when complete. If you have any questions please don't hesitate to call (COMM 301-757-6835) or email."

V/r

Ron Trolinger

All Type Equipment Codes are available at the following website:

ATE STATIONS TYPE EQUIPMENT CODE XREF.

TEC
GVAN

TEC	STATION	NOMENCLATURE
GHPF	ANUSM406C	Test Set, Electronic Countermeasures
GHST	ANUSM487	Advanced Electronic Warfare Test Set (AEWTS)
SWDJ	ANUSM686	Intermediate Avionics Test Set (IAFTA)
SWDK	ANUSM629	Electro-Optical Test Set (EOTS)
GHNC	ANALM106B	Test Set, Countermeasures
GHPH	ANAAM60V2-V6	Electro Optical System Test Set
GHMT	ANUSM429V2	Computerized Automatic Test Set (CATIIDV2)
SSHU	ANUSM453B	Dimote
SCJC	OJ510ALM	Digital Test Bench
SCJD	OJ511ALM	Exciter Test Station
SCDW	OJ615ALM	Transmitter Test Station
SUDD	ANUSM403	Hybrid Automatic Test Set (HATS)
SVBB	ANUSM604	Electrical Equipment Test Set (EETS)
GHSS	ANUSM484	Hybrid Test Set (HTS)
CHUM	ANASM608V	Inertial Measuring Unit Test Set (IMUTS II)
GVAP	ANUSM470V2	Avionics Test Set [Tailored Mini-VAST] (ATS V2)
GVAN	ANUSM470V1	Avionics Test Set [Mini-VAST] (ATS V1)

ATE STATIONS TYPE EQUIPMENT CODE XREF.

TEC
GAFB

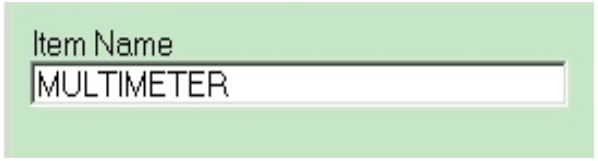
TEC	STATION	NOMENCLATURE
GHMU	ANUSM429V1	Computerized Automatic Test Set (CATIIIDV1)
SHBD	ANUSM449V1/V2	Electronic Circuit Plug In Unit
SHBE	ANUSM449V3/V4	Electronic Circuit Plug In Unit Test Set
GHUN	ANASM608V	Electronic Test Set (ETS I)
GHSB	ANASM392AV	Digital Module Test Set
GHSG	ANUSM458B	Countermeasures Test Set (NEWTS)
GVAB	ANUSM247V	Versatile Avionics Shop Test (VAST)
GHUW	ANUSM467V	Weapons System Test Station (RADCOM)
SUDY	201624-001	Dynamic Alignment Test Set (DATS)
SWDF	ANAPM446	Radar Station Test Set (RSTS)
SWDE	ANUSM469	Radar Test Set (RTS)
GAFA	ANUSM636V	Consolidated Automated Support System
GAFB	ANUSM636AV1	CASS-HTS
GAFC	ANUSM636AV2	CASS-EOTS
GAFF	ANASM636AV3	CASS-RFTS
GAFE	ANUSM636V	CASS-CNITS

AIRCRAFT TYPE EQUIPMENT CODE XREF.

TEC
SWAA

TEC	AIRCRAFT	NOMENCLATURE
SCAA	A-6	A-6 Aircraft PSE
SDAA	E-2	E-2 Aircraft PSE
SHAA	P-3	P-3 Aircraft PSE
SJAA	C-130	C-130 Aircraft PSE
SQAA	H-53	H-53 Aircraft PSE
SRAA	H-46	H-46 Aircraft PSE
STAA	F-14	F-14 Aircraft PSE
SUAA	S-3	S-3 Aircraft PSE
SVAA	AV-8	AV-8 Aircraft PSE
SWAA	F/A-18	F/A-18 Aircraft PSE
SXAA	H-2	H-2 Aircraft PSE
S1AA	H-1	H-1 Aircraft PSE
S2AA	C-2	C-2 Aircraft PSE
S3AA	E-6	E-6 Aircraft PSE
S5AA	H-60	H-60 Aircraft PSE
S6AA	OV-10	OV-10 Aircraft PSE
S7AA	V-22	V-22 Aircraft PSE

NIIN Tab – Item Name / Status / Software Ind / Source Data Ind

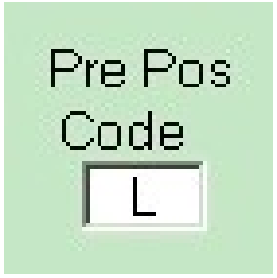


Item Name: 19 character description of SE item (First 19 characters of 40 character full name found in the header).

Status: Will display either Approved or Pending (Same as header)

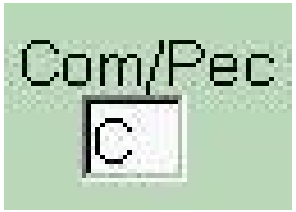
Software Indicator: Chosen at SERD creation. Indicates whether or not the item is a piece of Computer Software. Predetermined by type of NIIN selected. Not updateable after Initial SERD Creation. Set to Y for QS (ATE Software), QB = O-Level Software (non-ATE), QC = I-Level Software (non-ATE) & QE = Source Software.

Source Data Indicator: Indicates whether the SERD Data qualifies to be passed to SERMIS as Source Data (Y=Yes, N=No)



Pre Position Code: Control SERD entry to align ALL O-level Custody Codes (discussed in BOI tab section). Entry impacts entire NIIN family (Primes and alternates) Entries are limited to P, E, L, M, or N.

The NIIN Tab - Common or Peculiar?



PURPOSE:
TO CATEGORIZE SE END ITEMS, BASED ON SCREENING RESULTS AS:

COMMON (C) -- SE TYPE THAT IS DESIGNED FOR A WIDE RANGE OF APPLICATIONS AND USUALLY EXISTS IN THE NORMAL SE INVENTORY OR AS A COMMERCIAL-OFF-THE SHELF (COTS) ITEM.

PECULIAR (P) -- SE TYPE THAT IS UNIQUE AND IS DESIGNATED FOR USE WITH SPECIFIC EQUIPMENT OR AN EQUIPMENT FAMILY.
(SCREENING EFFORTS WERE NEGATIVE.)

CONTRACTOR/ARO SCREENS BELOW DOCUMENTS FOR SE PER MIL-STD-2097A

NAVAIR 16-1-525 "AVIONICS PREFERRED CSE"
NAVAIR 19-1-127 "NONAVIONICS PREFERRED CSE"
MIL-HDBK-300 "TECHNICAL INFORMATION FILE OF SUPPORT EQUIPMENT"
MIL-STD-1364 "STANDARD GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT"
MIL-HDBK-265 "STANDARD GENERAL PURPOSE TEST EQUIPMENT SUPPORT ITEMS"
ARO SCREENS FOR AVAILABLE SE TO VERIFY CONTRACTOR ENTRY, INCLUDING THE SERMIS DATABASE.

IF SE IS LISTED, IT IS CSE
IF SE IS A POTENTIAL CSE CANDIDATE, REPORT TO NAWCADLKE CODE 3623, (AVIONICS OR NON-AVIONICS PREFERRED LISTINGS)

Determining the Controlling SERD

The Controlling SERD box on the NIIN tab displays the End Article/Item Number information of the SERD that is the Current SERD's Control SERD. If this information is different than the the displayed info in the header, than the current SERD is an APPLICATION SERD!

The Differences

Controlling SERD

What Is It?

1st SERD entered into AUTOSERD for a NIIN or Part Number/CAGE Combination.
By Change of Control Between SERDs.

How do I change?

By Change of Status of SERDs (Deletions).

1st SERD Shoulders MOST of initial funding.

Controls entries in Certain Fields (Noted as we go)

Application SERD

SERD that supports a Single or Multiple End Articles, but wasn't the 1st entered into AUTOSERD for a NIIN.

What Is It?

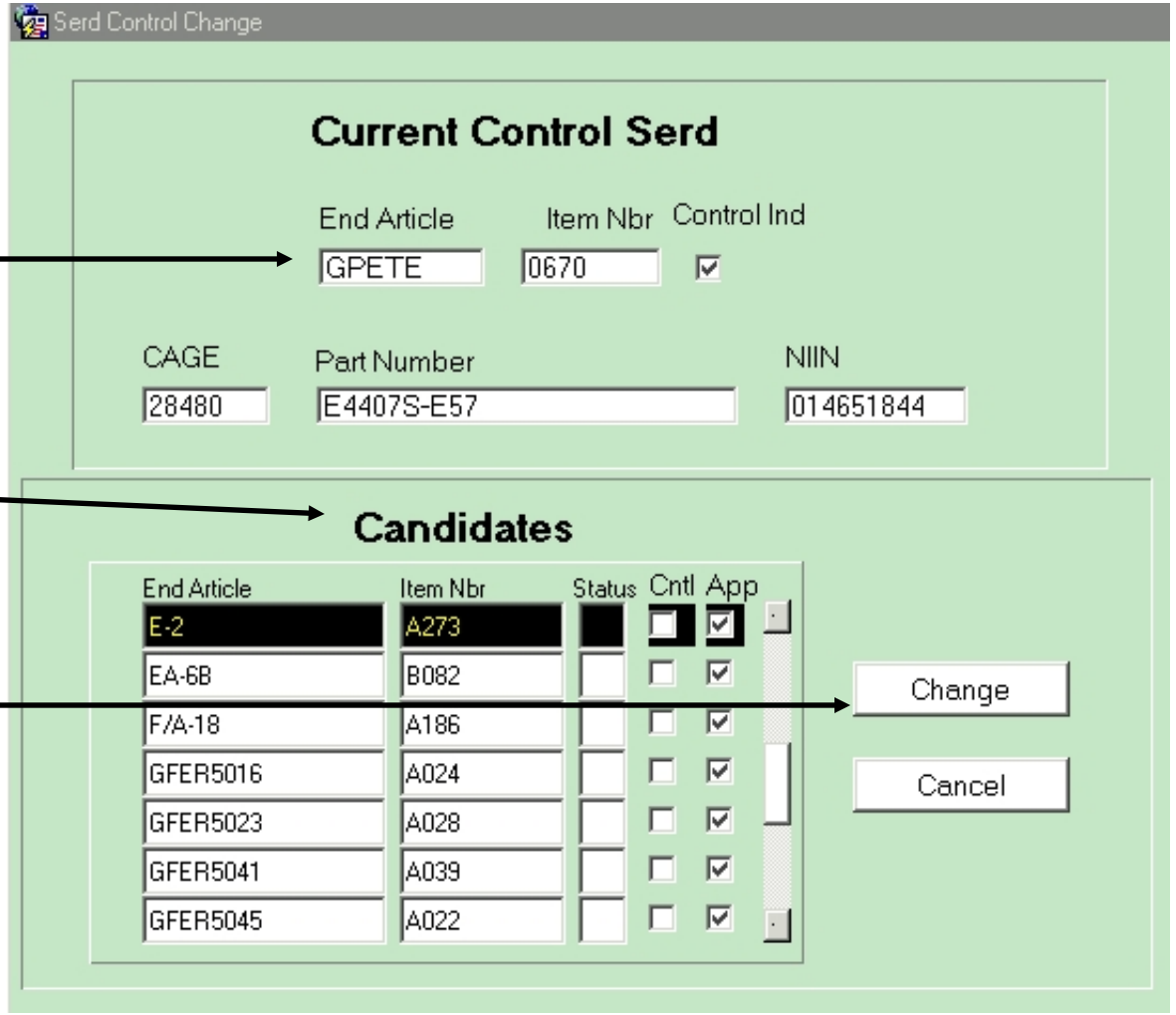
By Change of Control between SERDs.

How do I change?

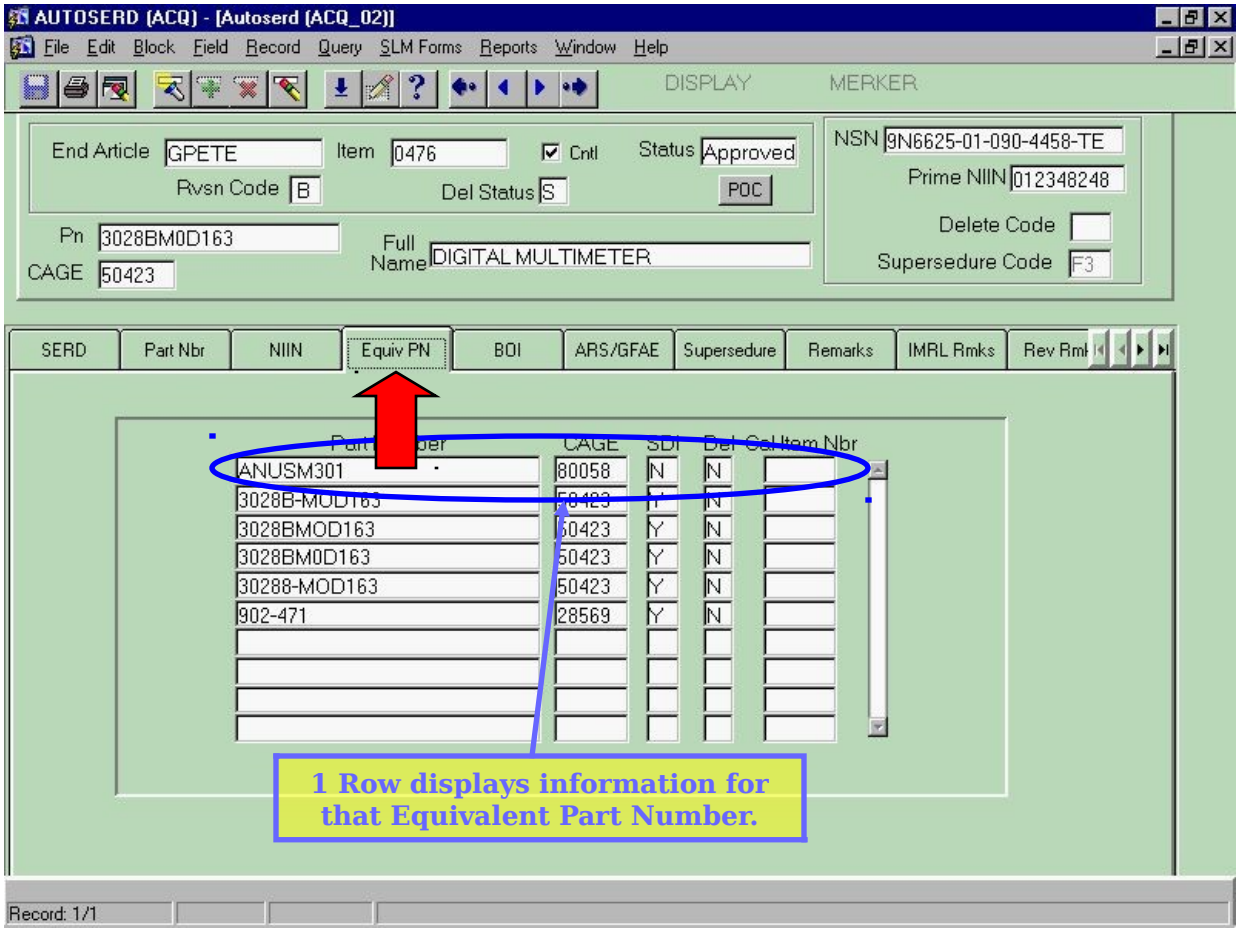
Picks up Entries in certain fields from the Control SERD

Changing the Controlling SERD

- **Launch the Serd Control Change Screen from the ACQ Main Menu.**
- **Query the desired SERD (The Serd must currently be it's own Controlling SERD in order to Change Control).**
- **A List of Available Candidates will be displayed in the area labeled "Candidates"**
- **Select any of the Candidates from the displayed list (highlighted line).**
- **Click on the Change button to the right of the candidates list. Click on yes at the confirmation prompt.**
- **The change to the database will be made. The standard Approval process does not apply.**

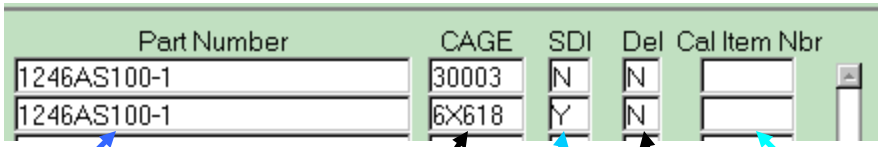


The Equivalent Part Number Tab



<u>Equivalent Part Numbers</u> are defined as all other Equivalent Part Numbers under a NIIN, with all applicable CAGEs against <u>each</u> equivalent Part Number.

Field Descriptions



Part Number - Part Numbers of SE items described as equivalent to the current SE Item.

CAGE - Identifies the Actual Manufacturer of the Equivalent Part Number.

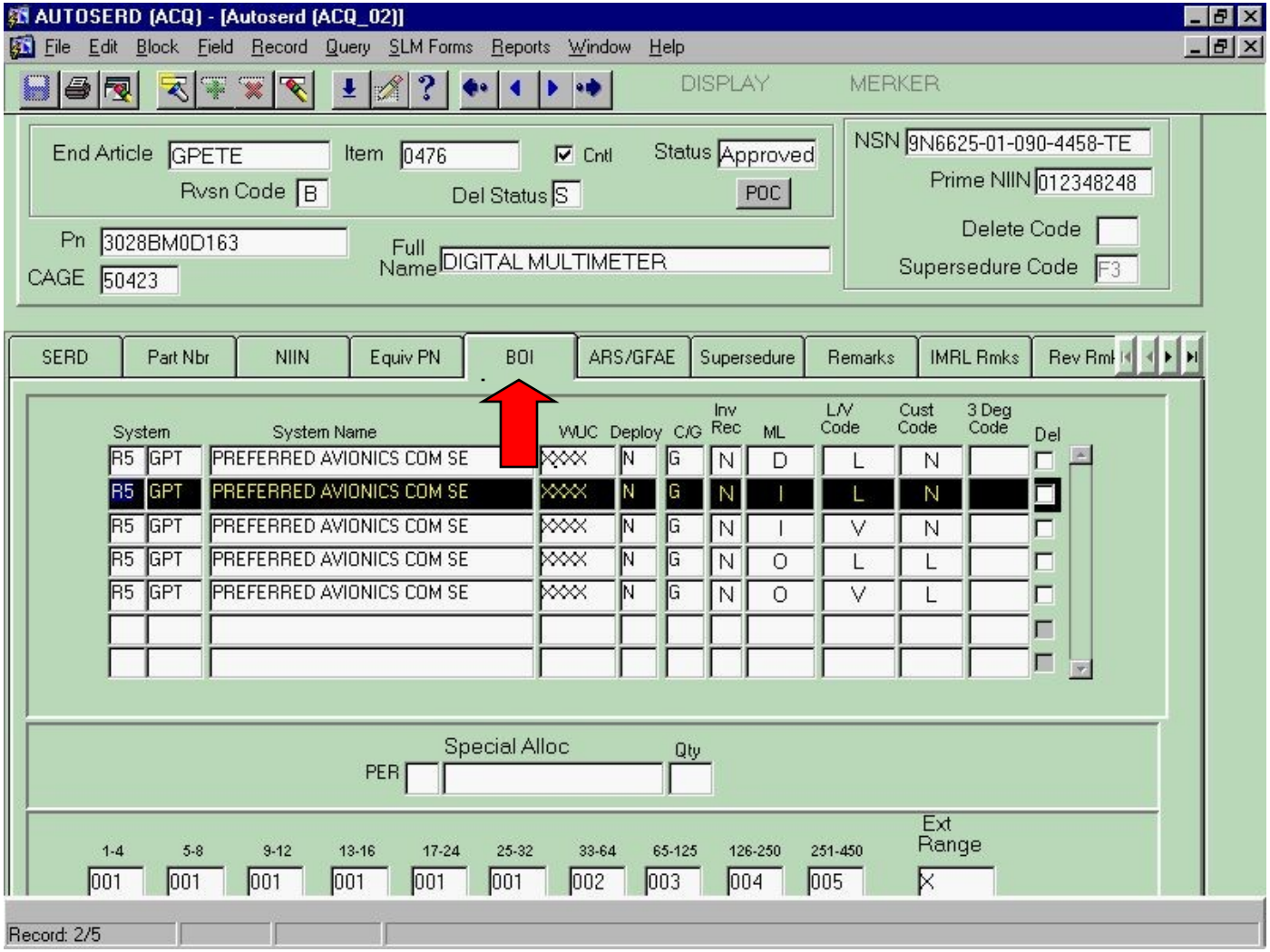
Source Data Indicator - Indicates Qualifying SERMIS Data is present for this piece of SE.

Delete Indicator - Indicates if the Part Number has been logically deleted in the database. The choices are 'Y' or 'N'.

Calibration Item Number - Designates a piece of Support Equipment that is used for Calibration of other SE. Only has a value if the SE requires calibration

ASSIGNING Equivalent Part Numbers: To do so, the user must fill in all of the above fields with the appropriate values (blank fields may remain so).

Field Descriptions - Basis of Issue Tab


AUTOSERD (ACQ) - [Autoserd (ACQ_02)]
File Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY MERKER
End Article GPETE Item 0476 Cntl Status Approved
Rvsn Code B Del Status S POC
NSN 9N6625-01-090-4458-TE
Prime NIIN 012348248
Delete Code
Supersedure Code F3
Pn 3028BM0D163
CAGE 50423
Full Name DIGITAL MULTIMETER
SERD Part Nbr NIIN Equiv PN BOI ARS/GFAE Supersedure Remarks IMRL Rmks Rev Rmk
System System Name WUC Deploy C/G Inv Rec ML L/V Code Cust Code 3 Deg Code Del
R5 GPT PREFERRED AVIONICS COM SE XXXX N G N D L N
R5 GPT PREFERRED AVIONICS COM SE XXXX N G N I L N
R5 GPT PREFERRED AVIONICS COM SE XXXX N G N I V N
R5 GPT PREFERRED AVIONICS COM SE XXXX N G N O L L
R5 GPT PREFERRED AVIONICS COM SE XXXX N G N O V L
Special Alloc
PER
Qty
1-4 5-8 9-12 13-16 17-24 25-32 33-64 65-125 126-250 251-450 Ext Range
001 001 001 001 001 001 002 003 004 005 X
Record: 2/5

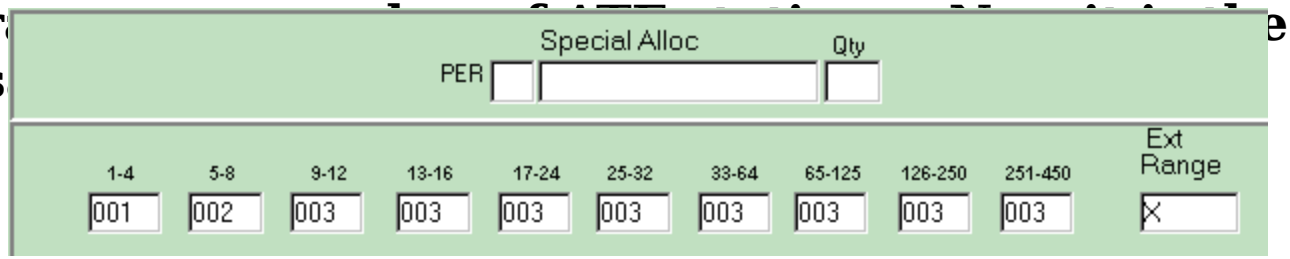
The <u>BOI area</u> indicates the allowancing (quantity) of end items required by the maintenance level(s).

It is also used to indicate the requirements when miscellaneous allowance designators are used.

Basis of Issue Discussion Questions

HOW ARE BOIS, NIINS AND SERDS RELATED TO SERMIS?

ATE - Before TOL SE was entered into SERMIS, the r[illegible]e s[illegible]



1Sta 2Sta 3Sta 4Sta 5Sta 6Sta 7Sta 8Sta 9Sta 10Sta

A NIIN Does Not Drop From SERMIS Unless ALL its BOIs (From ALL SERDs) are Deleted.

Deleting your specific application (while others are not deleted) will not delete the NIIN from SERMIS.

Deleting your specific application (and all others are deleted) will delete the NIIN from SERMIS.

When the LAST BOI is Deleted from a NIIN, the NIIN is dropped from SERMIS.

System Designations

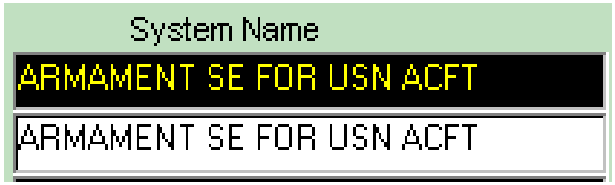
The first block contains the List Series (first two positions) that segregate equipment into different categories for application of the SE to work centers within a maintenance activity.

The Second Block contains the List Number (four positions) that identifies the basic aircraft, avionics system, engine, etc. within the list series.

LIST SERIES CODES

LIST NUMBER CODES

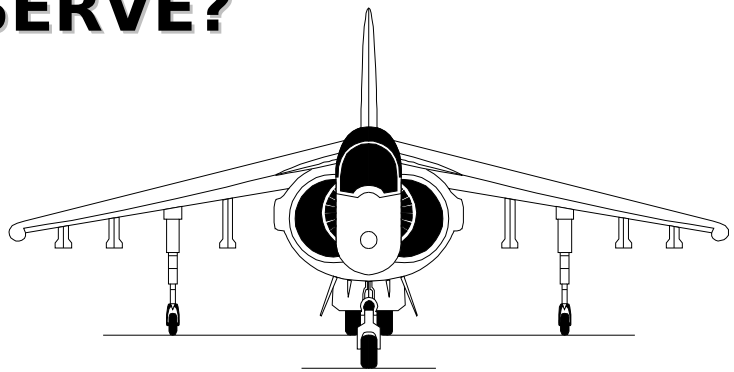
All List Series and List Number potential values may be located on the following pages.

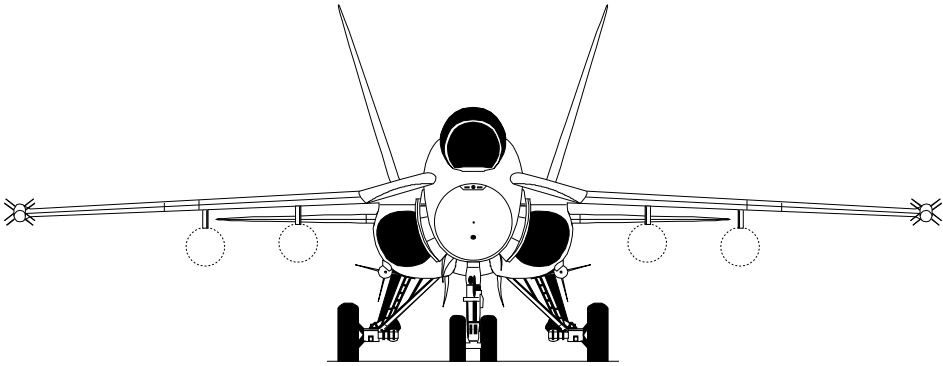


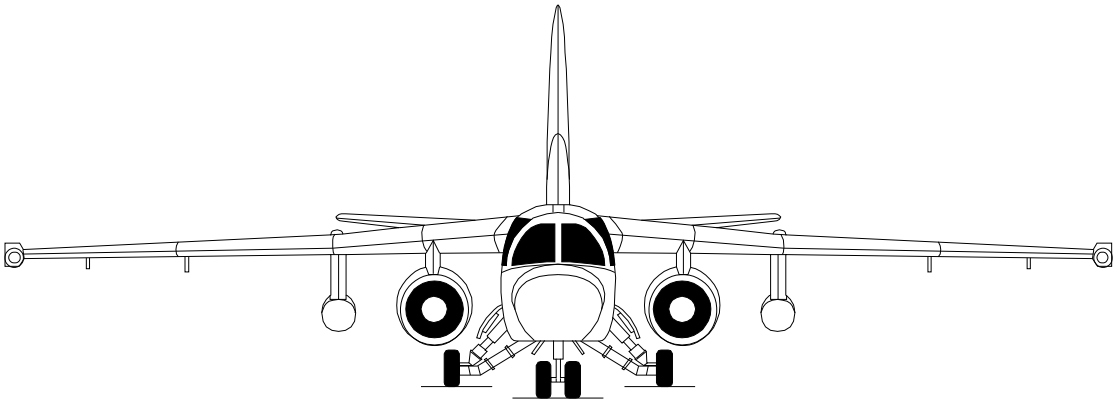
The System Name identifies the equipment installed in or used with a given model of an end article. These titles are NAVICP approved and are

All System Information is created and modified using the System List Model (SLM) subsystem of AUTOSERD!

WHAT PURPOSE DOES THE LIST CODE SERVE?

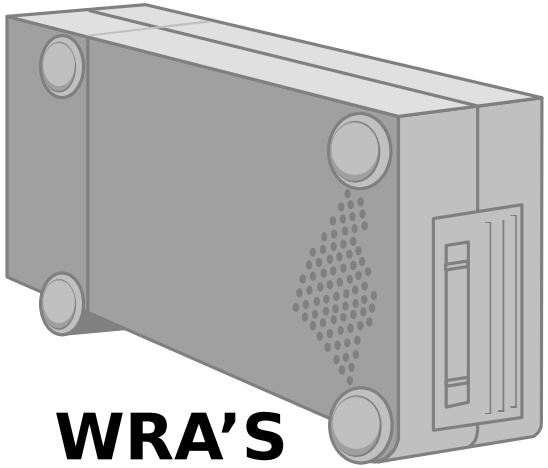






IDENTIFIES THE SPECIFIC SYSTEM INSTALLED IN OR USED WITH A GIVEN MODEL OF AN END ARTICLE. THAT REQUIRES THE PIECE OF SUPPORT EQUIPMENT BEING RECOMMENDED.

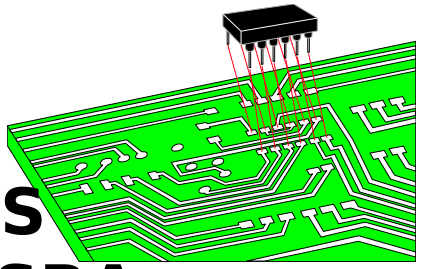
THESE SYSTEMS ARE BROKEN DOWN FURTHER IN THE ARTICLES REQUIRING SUPPORT (ARS/GFAE) TAB.



WRA'S

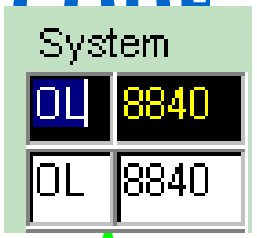
SRA'S

INDIVIDUAL COMPONENTS WITHIN THE SRA



Breakdown of LIST CODE EXAMPLE

BASIC LIST CODE



OL884

LIST SERIES

SYSTEM NUMBER

LIST SERIES DESIGNATIONS

AE AIRCRAFT ARMAMENT EQUIPMENT (MISSILE LAUNCHERS / BOMB RACKS / SHACKLES / PYLONS PODS) MECHANICAL AND ELECTRONIC

CN TEST SETS

CS NAMTRAGRU COURSES

FE* CALIBRATION STANDARDS

FACILITY TYPE EQUIPMENT FOR ACTIVITIES LESS DEPLOYABLE

GO AIRCRAFT FLEET MARINE FORCE ACTIVITIES

ACCOUNTABLE COMMON SUPPORT EQUIPMENT (CSE)

- GO SERIES UP TO GO900 ARE APPLICABLE TO NAVY AIRCRAFT/DRONES

GU - GO900 SERIES APPLICABLE TO DEPLOYABLE FLEET MARINE FORCE AIRCRAFT

G3* GUNS (OLD OL200 LIST CODES) LIMITED TO AIRCRAFT WITH

ME PERMANENTLY INSTALLED GUNS

FACILITY TYPE EQUIPMENT FOR DEPLOYABLE AFMF ACTIVITY

MF AIR-LAUNCHED MISSILE MAINTENANCE SE (MECHANICAL) NAVAL

MR WEAPONS STATION/MISSILE MAINT. UNIT (MWS/MMU)

OL MOBILE MAINTENANCE FACILITY (MMF) SE

AIR-LAUNCHED MISSILE MAINTENANCE SE (ELECTRONIC) NWS/MMU

AVIATION ARMAMENT SE

- OL001-OL099 AWSEP WEAPON DEPT
- **OL100 SERIES APPLICABLE TO MISSILE SE AND HANDLING EQUIPMENT
- **OL200 SERIES APPLICABLE TO GUN SE AND HANDLING EQUIPMENT
- OL300 through 800 SERIES, ARMAMENT SE APPLICABLE TO

LIST SERIES DESIGNATIONS

QB* O LEVEL SOFTWARE, FOR AN IMRL ITEM (NON-ATE)
QC* I LEVEL SOFTWARE, FOR AN IMRL ITEM (NON-ATE)
QE *
QI OPERATIONAL TEST AND PROGRAM SET(OTPS) (ATE)
QM ATE HARDWARE
QS ATE SOFTWARE
R5 AVIONICS SE
R5G SERIES APPLICABLE TO AIRCRAFT GENERATOR SE
TA AIRCRAFT/DRONE AIRFRAME PECULIAR SE (PSE)
TC TEST CELLS (OLD TE 600, 700, 800 LIST CODES) {Planned
TD Enhancement}
TE AVIATION CAPABLE SHIPS
ENGINE SE
- TE600 LIST CODES FOR ENGINE TEST SYSTEMS**
- TE700 LIST CODES FOR ENGINE TEST SYSTEMS**
- TE800 LIST CODES FOR ENGINE TEST SYSTEMS**
- TE900 LIST CODES FOR FLEET READINESS
TG - AVIATION MAINTENANCE TRAINING PROGRAM (FRAMP)
TP GAS TURBINE COMPRESSORS SE
TU PROPELLERS SE
TX AUXILIARY POWER UNITS SE
TY MISCELLANEOUS AIRCRAFT ACCESSORIES SE
WE EJECTION SEATS SE
WEAPONS SE (OLD OL100 LIST CODES) FOR WEAPONS DEPARTMENT
* AUTOSERD LIST CODE ONLY, NOT PASSED TO SERMIS
** SEE SERIES TC

The Operational Test Program Set consists of the following components:

ID or Interface Device Provides mechanical and electrical connection and signal conditioning, if needed, between the ATE and the UUT.

Holding Fixture Provides mechanical device to hold the UUT during testing on ATE

Adapter Set Provides the adapter(s) necessary to adapt the UUT to the ATE

Cable Set Provides all the cabling necessary to connect the UUT to the ATE thru an ID

TP or Test Program Refers to an automated program containing a coded sequence which, when executed by the ATE, provides the system with a set of instructions testing the UUT for selected function verification and faults.

TPI or Test Program Instruction Refers to a document providing all information needed to execute testing (e.g., test set up, probe point locations, waveform diagrams or other programmed operator interventions) and which cannot be provided conveniently by the ATE under control of the TP.

TPM or Test Program Medium The automated means, either a magnetic tape or disk, by which the TP for one or more UUTs is provided.

TPS or Test Program Set Refers to those items needed to test a unit on automatic test equipment. These include the electrical, mechanical, instruction and logical decision elements. The TPS elements are: test program, interconnection device, test program instruction and supplementary data.

USN Facility List Codes (FE List Series)

FE IS "I" LEVEL NAVY ONLY

FE SERIES	TYPE EQUIPMENT
FE400	POWER PLANTS
FE500	AIRFRAMES
FE600	AVIONICS
FE700	ARMAMENT
FE800	AVIATOR'S LIFE SUPPORT EQUIPMENT
FE900	SUPPORT EQUIPMENT (YELLOW GEAR)
FEX	MISCELLANEOUS

NOTE: THE LIST SERIES IS FOLLOWED BY A CONFIGURATION CODE AND THE CONFIGURATION CODE ALWAYS REPRESENTS THE SAME FE MODEL DESIGNATOR.

MODEL CONFIGURATIONS ARE:

1 = FECV	5 = FELHD
2 = FELPH	6 = FELPD
3 = FEIMA	7 = FEMS
4 = FELHA	

Additional USN Facility List Series Info

IN THE FE LIST SERIES THE 400, 500, 600, 700, 800, AND 900 LIST CODES INDICATE THE POWER PLANT SHOP, AIRFRAMES SHOP, AVIONICS SHOP, ARMAMENT SHOP, AVIATORS LIFE SUPPORT EQUIP SHOP, AND SUPPORT EQUIPMENT (YELLOW GEAR) SHOP, RESPECTIVELY. THE CONFIGURATION CODE WILL ALWAYS BE THE SAME AS:

FE4003 IS FOR POWER PLANTS FOR IMA AND THE MODEL IS FEIMA

FE5003 IS FOR AIRFRAMES FOR IMA AND THE MODEL IS FEIMA

FE6003 IS FOR AVIONICS FOR IMA AND THE MODEL IS FEIMA

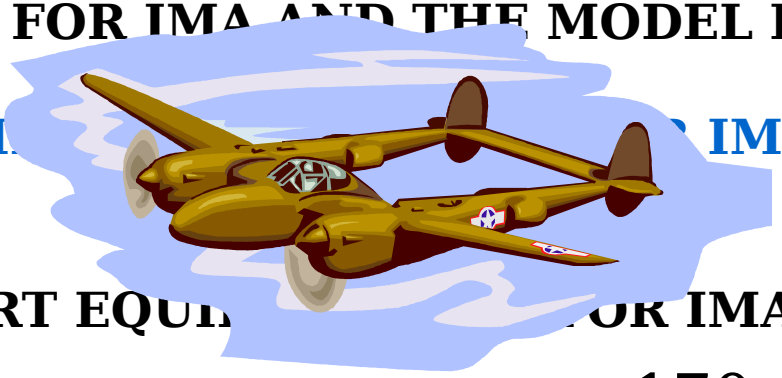
FE7003 IS FOR ARMAMENT FOR IMA AND THE MODEL IS FEI

AVIATORS LI IMA AN

C FEIMA

HE SUPPORT EQUI OR IMA AND

ODEL IS FEIMA



USMC Facility List Codes (G3 List Series)

G3 LIST CODES are applicable to maintenance support equipment for Deployable Aircraft Fleet Marine Force Activities only. (I level List Codes are in Blue, while O level list codes are in Red)

LIST CODE	TYPE OF AIRCRAFT	MAINTENANCE LEVEL
G3701	H-MS HELO	I LEVEL
G3702	HMM	O LEVEL
G3703	HMH	O LEVEL
G3704	VMO	O LEVEL
G3705	HML/A	O LEVEL
G3706	H-MS V TYPE	I LEVEL
G3707	VMA/VMA/(AW)/VMA(V)	O LEVEL
G3708	VMFA	O LEVEL
G3709	VMCJ/VMP/VMQ	O LEVEL
G3710	H-MS (MWSG)	I LEVEL
G3711	VMGR	O LEVEL

LIST CODE ASSIGNMENT/EDIT INFORMATION)

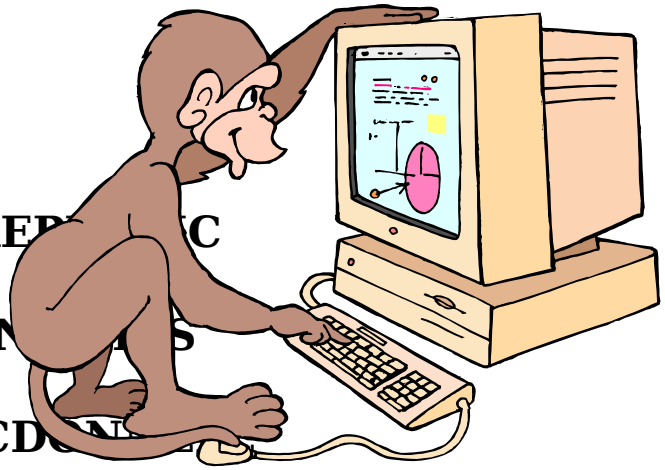
AIRCRAFT CODES

CLASSIFICATION

- 1-UTILITY
- 2-OBSERVATION
- 3-TRAINER
- 4-TRANSPORT
- 5-PATROL
- 6-HELICOPTERS
- 7-ATTACK
- 8-FIGHTER
- 9-MISSILE
- 0-UNASSIGNED

MANUFACTURER

- 05-BEECH
- 10-BELL
- 15-CESSNA
- 20-FAIRCHILD/REP[illegible]C
- 25-GOODYEAR
- 26-GENERAL DYN[illegible]S
- 30-LOCKHEED
- 40-DOUGLAS/MCD[illegible]
- 50-GRUMMAN
- 55-CONVAIR/GENERAL DYNAMICS
- 60-NORTH AMERICAN ROCKWELL
- 65-PIESECKI/BOEING VERTOL
- 70-LTV
- 75-KAMAN
- 80-MCDONNELL/DOUGLAS
- 85-MARTIN
- 90-SIKORSKY



NOTE: MANUFACTURER CONFIGURATION CODES INCLUDE ALL NUMBERS TO THE NEXT HIGHER NUMBER. EXAMPLE: 75,76,77,78, AND 79 = KAMAN. PRECEDE EACH AIRCRAFT LIST CODE WITH LETTERS TA OR GO.

ADDITIONAL LIST CODE ASSIGNMENT/EDIT INFORMATION

TA8840 = (8)FIGHTER - (84)MCDONNELL/DOUGLAS - (0)COMMON

A. CONFIGURATION CODE "0" INDICATES COMMON TO ALL APPLICATIONS USING THAT LIST CODE.

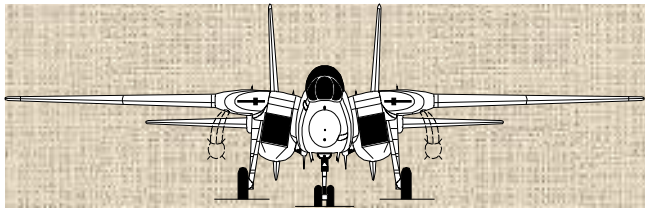
B. GO LIST SERIES THE CONFIGURATION CODE IS OPTIONAL G3 LIST SERIES THE CONFIGURATION CODE IS BLANK

C. IN GO, TA, AND OL LIST SERIES THE 900 LIST SERIES INDICATES THE LIST CODE FOR MARINES ONLY.

D. IN TD LIST SERIES (AVIATION CAPABLE SHIPS) MAINT LEVEL MUST ALWAYS BE "O" AND THE CUSTODY CODE "P" .

E. A DASH (-) IN THE MODEL INDICATES THAT THIS IS AN AIRCRAFT MODEL. AIRCRAFT MODELS WITHOUT A DASH ARE FOR DETACHMENT MODELS: SH3G, HH46A, C2RPDET, C2SLDET, CH46D, LAMP60B, AND LAMPH2F AND ALL "TD" (AVIATION CAPABLE SHIPS) LIST CODES. THE MAINT LEVEL FOR THESE LIST CODES MUST ALWAYS EQUAL "O" .

Field Descriptions



WUC	Deploy	C/G
7500	N	C
7500	N	C

Work Unit Code:

An Alphanumeric Code that identifies detailed information on a specific system, subsystem, assembly and/or component of an End Article or SE Item on which maintenance is performed.

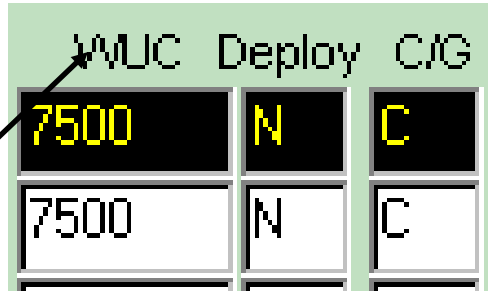
DEPLOY:

Identifies if the List Code should be supported when in a deployed status. Values are either 'Y' for yes or 'N' for

CFE/GFE Indicator:

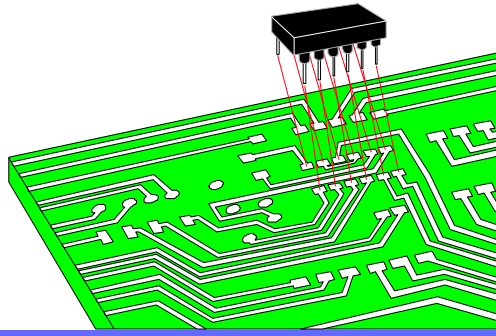
CFE (C) indicates contractor furnished equipment, while GFE (G) indicates Government Furnished Equipment. This applies to the List System Only, not the SERD

What is Work Unit Code??



Work Unit Code:

An Alphanumeric Code that identifies detailed information on a specific system, subsystem, assembly and/or component of an End Article or SE Item on which maintenance is performed.



DATA USES:

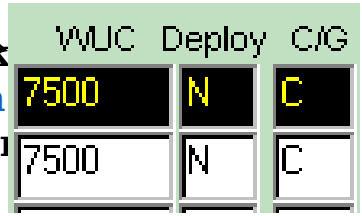
AUTOSERD USES DATA TO CONSTRUCT CONSOLIDATED SE LISTS (CSELS). THE WUC ALLOWS YOU TO SPECIFY A SYSTEM, SUBSYSTEM, ASSEMBLY AND/OR COMPONENT AND OBTAIN A SE LISTING FOR THAT PARTICULAR UNIT UNDER TEST.

THE FLEET USES WUC TO RECORD MAINTENANCE DATA (3M-MDS).

NATSF ASSIGNS WUCS AND PUBLISHES MANUALS ANNUALLY.

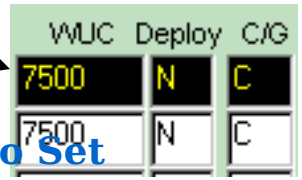
MANUALS EXIST FOR AIRCRAFT/ENGINES/AVIONIC SYSTEMS/SE. FOR EXAMPLE NAVAIR 01-110HC-8 = H-1 AIRCRAFT WUC MANUAL.

Potential Work Unit Code Values:



11000: AIRFRAMES - Fuselage/Empennage/Wing/Fuel Tank
12000: FUSELAGE COMPARTMENTS - Flight Station/Cabin
13000: ALIGHTING/LAUNCHING - Main/Nose Landing Gear
14000: FLIGHT CONTROLS - Aileron/Elevator/Rudder/Flap
22000: TURBOSHAFT ENGINES - T56
24000: AUXILIARY POWER PLANT
29000: POWER PLANT INSTALLATION
32000: HYDRAULIC PROPELLERS
41000: AIR CONDITIONING/PRESSURIZATION/ICE CONTROL
42000: ELECTRICAL POWER SUPPLY/DISTRIBUTION/LIGHTING SYSTEMS
45000: HYDRAULIC SYSTEMS
46000: FUEL SYSTEMS
47000: OXYGEN SYSTEMS
49000: MISCELLANEOUS UTILITIES
51000: INSTRUMENTATION SYSTEMS - Aircraft Generic Instrumentation System
52000: AUTOPILOT SYSTEMS - *PB20N Auto Flight Control System*
53000: DRONE GUIDANCE SYSTEMS - *ANDWK1/4*
54000: TELEMETRY SYSTEMS - *ANAKT21/22 Telemetric Data XMTG Set*
56000: FLIGHT REFERENCE SYSTEMS - *AOA* / Attitude Heading / *GPWS*
57000: INTEGRATED GUIDANCE/FLIGHT CONTROL SYSTEMS - *AFCS*
58000: IN-FLIGHT TEST EQUIPMENT - *ANASM440 IFPM Test Set*
59000: TARGET SCORING AND AUGMENTATION SYSTEM - *ANDRQ4*
61000: HF COMMUNICATION SYSTEMS - *ANARC 142/161 HF* Radio Set
62000: VHF COMMUNICATION SYSTEMS - *ANARC-182* Radio Set
63000: UHF COMMUNICATION SYSTEMS - *ANARC116/159(V)* UHF Radio Set
64000: INTERPHONE SYSTEMS - *ANAIC 4/5/8/10/15/18/22/25/29* ICS
65000: IFF SYSTEMS - *ANAPX 72* Transponder

Potential Work Unit Code Values:

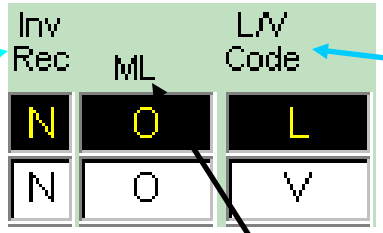


66000: EMERGENCY RADIO SYSTEMS - *ANPRC63/90* Radio Set
67000: COM/NAV/IFF INTEGRATED SYSTEMS - *KW7* Cryptography Device
69000: MISCELLANEOUS COMMUNICATION SYSTEMS
71000: RADIO NAVIGATION SYSTEMS - *ANARN118(V)* Tacan Navigation Set
72000: RADAR NAVIGATION SYSTEMS - *ANAPS-133(V)* Radar Set
73000: BOMBING NAVIGATION SYSTEMS - *ANASN130, ANASQ155*
74000: WEAPONS CONTROL SYSTEMS - *ANAYK14(V)* Digital Data Computer Set
75000: WEAPON DELIVERY - Launchers/Ejectors/Bomb Racks/Pylons
76000: COUNTERMEASURES SYSTEMS - *ANALR66(V)* CM Receiving Set
77000: PHOTOGRAPHIC/RECONAISSANCE - *OA8962ASH* Video Signal Receiving System
81000: MISSILE TEST/CHECK EQUIPMENT - *ANDSM68/73/78/92/96/127/130(V)*
83000: AIRBORNE EXPENDABLE ORDINANCE - Practice Bombs
84000: WEAPONS DELIVERY SYSTEM - *ANASQ193*
91000: EMERGENCY EQUIPMENT - Parachute/Life Raft/Pyrotechnics
92000: AIRBORNE MINES COUNTERMEASURES EQUIPMENT - *MK105 / ANAS14*
94000: MISCELLANEOUS EQUIPMENT - *ANAMS-5* Thunderstorm Detect
95000: PERSONNEL EQUIPMENT - Headgears/Oxygen Masks/Clothing
96000: EXPLOSIVE DEVICES - Squibs/Fire Extinguisher Cartridges/Etc.

HOW COME MY WUC ONLY HAS FOUR DIGITS???

In the Prior Version of the AUTOSERD System, the SLM subsystem only supported a 4 digit value in the WUC field, so any SERDs carried over from the old system will have only 4 digits.

INV REC / ML / L/V Code Field Descriptions



Inventory Record:

AIRCRAFT INVENTORY RECORD

This Indicator is a simple Yes or No that the SE End Item is or is not an item of the AIR.

Maintenance Level:

The level that will maintain the ARS (Article Requiring Support).

Available Levels:

O - Organizational

I - Intermediate

D - Depot

T - Transient Sites (O-Level), only used if support is required in a location other than where the aircraft is maintained.

Land/Vessel Code:

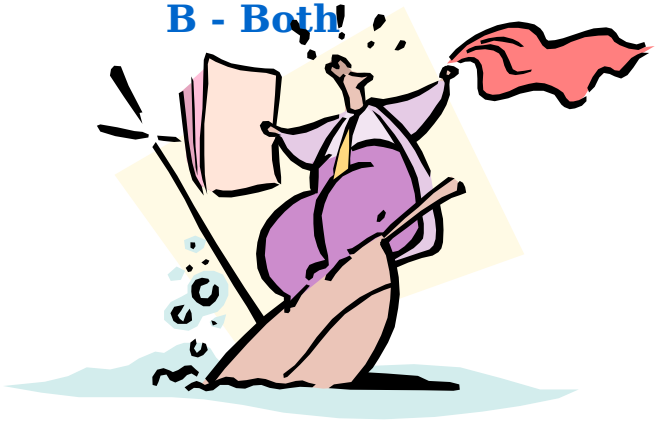
Single Character Field used to restrict and control the use of SE items for different environment conditions.

Available Values:

L - Land

V - Vessel

B - Both



AIRCRAFT INVENTORY RECORD
Field Descriptions

AIRCRAFT INVENTORY RECORD The AIR is used to establish a formal, continuous chain of accountability for specific equipment installed on or designated for use on any aircraft. The AIR is applicable to all aircraft and lists selected material and equipment accountable by all Navy organizations that are assigned or or physically possess operational aircraft. The AIR is prepared by the aircraft manufacturer and is delivered with each individual aircraft.

Aircraft Transfer and Acceptance When an aircraft is to be transferred on site, designated inventory teams from the transferring and accepting activities jointly inventory the aircraft and record, in the appropriate column of the AIR Equipment List, OPNAV Form 4790/111, the quantity of each item on board the aircraft at the time of transfer. The AIR Shortages, OPNAV Form 4790/112, is completed to identify shortages of AIR items and mission essential subsystems matrix (MESM) related equipment that are not available for transfer, concurrent with the aircraft. When a ferry pilot is required to effect an air- craft transfer, two inventories are made—one before the ferry flight by the transferring activity and one on completion of transfer by the accepting activity. The Ferry pilot does not participate in the inventories except to accept custody of pilferable and classified equipment from the transferring activity and to transfer custody of the items to the accepting activity.

AIR items that cannot be placed on the aircraft for transfer are shipped separately marked as AIR Equipment for Aircraft Bureau Number (BUNO). A note to indicate such shipments is made in column E of the AIR equipment list opposite each affected equipment. Immediately upon receipt of notification of transfer, the transferring activity inventories all equipment specifically assigned to the aircraft (AIR and MESM equipment), including all items that cannot be placed aboard the aircraft for transfer, and then lists such equipment on a DD Form 1149. This loose equipment is turned in to supply for appropriate shipment to the receiving activity. A receipt copy of the DD

AIRCRAFT INVENTORY RECORD
Field Descriptions (cont'd)

When an aircraft is delivered to a depot or contractor facility and is scheduled to be returned to the same organization after special depot level maintenance (SDLM), testing, or special projects, items not requiring rework or required by an activity for testing or special projects are retained by the current reporting activity. All removals should be appropriately noted on the OPNAV Form 4790/112 to relieve the depot or other activity of accountability requirements. The OPNAV Form 4790/104 is certified during the transfer action.

When an aircraft is transferred via a depot or contractor program, the transferring activity ships only the minimum of essential AIR items noting all shortages on the OPNAV Form 4790/112. The remaining equipment is shipped to the receiving activity 30 days before the scheduled depot or contractor completion date. The OPNAV Form 4790/104 is certified during this transferring action.

AIR Shortages

When shortages of inventory items are re- vealed in preparing an aircraft for transfer, every effort should be made to locate the items or effect replacement before transfer. However, transfer of the aircraft must not be delayed pending replacement of the items.

Before transfer, an OPNAV Form 4790/112 is prepared, listing all missing AIR- and MESM- related items. The original signed copy of this form is retained by the transferring activity as a permanent record of transfer. A second copy of the form remains in the AIR and is delivered to the accepting activity. A third copy of the form is forwarded to the aircraft controlling custodian/type commander (ACC/TYCOM) of the transferring activity. In case of an aircraft transfer between ACCs/TYCOMs, the third copy of the form is forwarded to the ACC/TYCOM of the accepting activity. A fourth copy is forwarded to the appropriate commander, fleet air (COMFAIR); the commanding general Marine air wing (CGMAW); and the

ML Field Descriptions

O Level Maintenance is performed by an operating unit on a day to day basis in support of its own operations. The O-level maintenance mission is to maintain assigned aircraft and aeronautical equipment in a full mission capable status while continually improving the local maintenance process. While O-level maintenance may be done by I-Level or D- Level activities, O-Level maintenance is usually accomplished by maintenance personnel assigned to aircraft reporting custodians.

O Level Maintenance Functions generally can be grouped under the categories of: Inspections, Servicing, Handling, On-equipment corrective and preventive maintenance (including on-equipment repair, removal and replacement of defective components), Incorporation of TDs, less SE, within prescribed limitations. Record keeping and reports preparation.

ML Field Descriptions (cont'd)

I Level Maintenance mission is to enhance and sustain the combat readiness and mission capability of supported activities by providing quality and timely material support at the nearest location with the lowest practical resource expenditure.

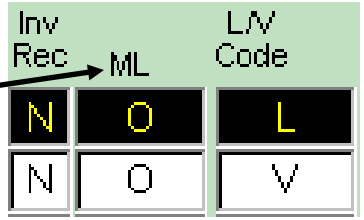
I Level Maintenance consists of on and off equipment material support and may be grouped as follows: Performance of maintenance on aeronautical components and related SE; Field Calibration Activity which perform I-Level calibration of designated equipment; Processing aircraft components from stricken aircraft; Providing technical assistance to supported units; Incorporation of TDs; Manufacture of selected aeronautical components, liquids, and gases; Performance of on-aircraft maintenance when required; and Age Exploration of aircraft and equipment under

ML Field Descriptions (cont'd)

D Level Maintenance is performed at naval aviation industrial establishments to ensure continued flying integrity of airframes and flight systems during subsequent operational service periods. D-level maintenance is also performed on material requiring major overhaul or rebuilding of parts, assemblies, subassemblies, and end items. It includes manufacturing parts, modifying, testing, inspecting, sampling, and reclamating. D-Level maintenance supports O-Level and I-Level maintenance by providing engineering assistance and performing maintenance beyond their capabilities.

D Level Maintenance generally consists: Standard D-Level Maintenace of aircraft; Rework and repair of engines, components, and SE; Calibration by Navy calibration laboratories and Navy Primary Standards Laboratory; Incorporation of TDs; Modification of aircraft, engine, and SE; Manufacture or modification of parts or kits; Technical

ML Field Descriptions (cont'd)



Selecting a Maintenance Level:

The required System maintenance level is based on allowancing which specifies the quantity of SE required to support a specified quantity of End Article Model(s):

List Series segregate equipment into different categories for application of the SE to Work Centers within a maintenance activity.

- **ALLOWANCE LIST CODE**
  - **System List Model (SLM) provides cross-reference information of List Codes to a Specific Aircraft, Engine, Equipment, or Operational Site**
  - **List Series segregate equipment into different categories for application of the SE to work centers within a maintenance activity. (Airframes, Avionics, etc.)**

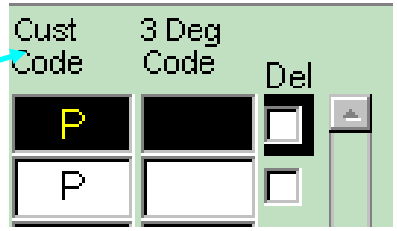
When adding a SERD to a system, selection of the maintenance level is critical, in order to insure proper additions of both Articles Requiring Support (ARS) and Government Furnished Aeronautical Equipment (GFAE).

O-LEVEL SE -- Range is number of end articles (aircraft) supported. SERMIS uses the quantity of end article models employed

I/D-LEVEL SE -- Range is number of systems supported. Sermis uses the quantity of End Article Models times the quantity of systems in the End Article (SLM QTY IN AUTOSERD!)

The source of the Maintenance level requirements is found in the

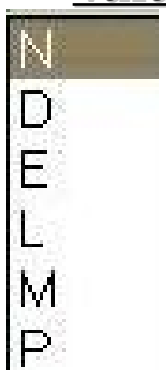
Custody Code Field Descriptions



Custody Code:

Alphabetic Code identifying operation level SE requirements that are controlled and issued from the Aircraft Intermediate Maintenance Activity (IMA) on a custody/subcustody basis to the organizational level

Potential Custody Code Values:



N - Does not require calibration or special management at "O" level. Also used if "Squadron Owned" (Not Custody Coded) or 'I

D – No longer Valid per PMA 260

E - Used infrequently (Less than once per month)

L - Requiring Calibration and Management, not E or P

M - Noncalibratable Items requiring Management

P - Weighing over 200 lbs., exceeding 6

More Questions??

The SERD Handbook and the Acquisition User's Manuals provide additional information which SERD processors will find valuable regarding processes, toolbars, reports and additional screen information.

SERMIS CUSTODY CODE DEFINITIONS

E - PREPOSITION ITEM - Assigned to infrequently used items (Usually less than once per month) and indicates item is available from supporting IMA. Supporting IMAs are authorized a specific quantity based on the total number of aircraft supported at that site which is sufficient in view of the infrequent use. ITEM IS CHECKED OUT OF THE IMA, USED AND AFTER USE, ITEM IS RETURNED TO IMA.

P - PREPOSITION ITEM - Assigned to items weighing over 200 pounds (over 300 pounds for wheeled equipment), exceeding any of the following dimensions when stowed (6' x 3' x 2'), fragile or subject to misalignment or calibration through transportation and not coded for infrequent use. When authorized for supporting IMAs, the IMA quantity= total quantity required for sub-custody issue to each organizational maintenance activity supported. ISSUED BY THE IMA ON SUBCUSTODY BASIS FOR FULL-TIME USE WHEN STATIONED AT THAT ACTIVITY. ITEMS ARE RETURNED TO SUPPORTING IMA PRIOR TO DEVELOPMENT. WHEN DEPLOYED "O" LEVEL OBTAINS SUBCUSTODY ITEMS FROM NEW SUPPORTING IMA UPON ARRIVAL AT THAT SITE.

L - MANAGEMENT ITEM - Assigned to all SE requiring calibration and designated for use at the organizational level and not already preposition coded "E" or "P." Supporting IMA maintains Calibration

SERMIS CUSTODY CODE DEFINITIONS

N - NON SUB-CUSTODY ITEM - Assigned to items which are not already preposition coded "E," "P" or "D," do not require calibration (L) and do not require special management attention (M). These are Organizational, Intermediate or Depot Maintenance Activity owned SE end items. THESE ITEMS ARE RETAINED BY ORGANIZATIONAL ACTIVITIES WHEN DEPLOYED.

M - MANAGEMENT ITEM - Assigned to items which are non-calibratable, not already preposition coded "P" or "E" and designed for use at the Organizational level of maintenance. These items are used with Calibratable items. The quantity authorized= total quantity required for sub-custody by each organizational maintenance activity supported. THESE ITEMS ARE RETAINED BY ORGANIZATIONAL ACTIVITIES WHEN DEPLOYED.

D - PREPOSITION ITEM – Discontinued per PMA-260 in 2002

SERMIS CUSTODY CODE UPDATE

SECAs agreed to have “E” coded SE removed from the DET List Codes and if required on deployment would fly the “Infrequently Used SE” in to that site.

Order of priority should be N, E, P, L, M.

Within a specific NIIN and also the NIIN family the following rules apply:

1) Must be “N” coded for all “I” allowances and “O” where the squadron fully owns the SE.

2) Must be “P” if the dimension, weight, or fragility meets the above requirement. If one “P” code exists for the NIIN then “N”, “L” and “M” are not allowed. It can have other “E” coded allowances (Also for family members provided all BOI elements match – System, System Name, WUC, Deploy, C/G, Inv Rec, ML, LV Code, 3 Deg, Special Alloc [including Per & QTY], and the ten column spread)

3) Should be “E” when the item is infrequently used. If one “E” code exists for the NIIN then “N”, “L” and “M” are not allowed, can have “P” coded allowances (Also for family provided all BOI elements match – System, System Name, WUC, Deploy, C/G, Inv Rec, ML, LV Code, 3 Deg, Special Alloc [including Per & QTY], and the ten column spread)

4) Must be “L” when no “P” or “E” code is used and the SE requires calibration. (Also for family provided all BOI elements match – System, System Name, WUC, Deploy, C/G, Inv Rec, ML, LV Code, 3 Deg, Special Alloc [including Per & QTY], and the ten column spread)

5) Should be “M” when no “P” or “E” code is used for Non-calibratable SE required

Custody Code Warning

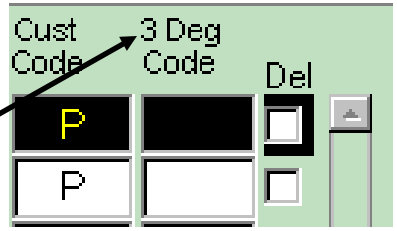
THE USE OF A CUSTODY CODE DIRECTLY IMPACTS ALLOWANCE COMPUTATIONS.

THE "E" CODE COMPUTES THE HIGHEST SINGLE APPLICATION AND SELECTS THAT VALUE AS THE COMPUTED ALLOWANCE FOR THE I-LEVEL TO RETAIN UNTIL AN O-LEVEL CHECKS IT OUT ON A SUB-CUSTODY BASIS, RETURNING THE SE ASSET WHEN THEY ARE DONE USING IT.

THE "P", "L", AND "M" CODES COMPUTE SUFFICIENT QUANTITIES FOR EACH O-LEVEL ON-BOARD TO CHECKOUT THE SE FOR FULL TIME USE AND DEPENDING ON CODE DETERMINES WHETHER THEY TAKE THAT ASSET WITH THEM OR NOT WHEN THEY DEPLOY: "P" MEANS TURN IN AND CHECK OUT FROM NEW HOST AIMD; "L" AND "M" MEANS THEY TAKE THEM WITH THEM.

CHANGING FROM ONE CODE TO ANOTHER CAUSES A MANAGEMENT NIGHTMARE FOR THE FLEET. ALL SERD REVIEWERS/EVALUATORS SHOULD/MUST CONSIDER THE IMPACT OF CHANGING THIS CODE!!!! IE: A CHANGE OF "E" TO "P" CHANGES ALLOWANCES FROM A QTY = 1

Three Deg Code Field Descriptions



Three Degree Code:

Indicates the Degree of Intermediate Maintenance for Propulsion Systems. The Three Degree Code is only utilized when the Maintenance Level Value is 'I'.

Potential Three Degree Code Values:

1 - Complete Engine Repair (CER) - Removes or replaces Compressor Rotor Authorized, Highest I Level Maintenance, less the D-Level

2 - Minor Compressor Section Repair Authorized, basic engine inspections

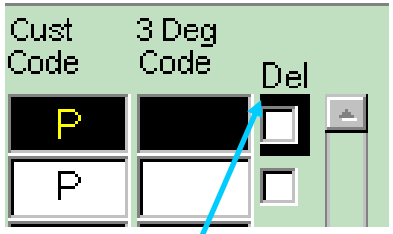
3 - Conduct Engine Calendar Inspections

What does the three degree code mean???

Three degree code. Used to indicate level of maintenance for engine, GTC, and propeller support.

- 1 The repair of gas turbine engines to a depth which includes and goes beyond that repair authorized for second- and third-degree IMAs. It includes compressor rotor replacement and disassembly to a degree that the compressor rotor is removed. Any degree of repair which requires compressor rotor removal constitutes first-degree repair. Only those activities specifically designated as first-degree repair activities and included in NAVAIR Note 4700 will be outfitted to accomplish repair of that magnitude.
- 2 The repair of a damaged or non-operating gas turbine engine, its accessories, or components to an acceptable operating condition. As used in this instruction, repair by designated IMA's includes the repair/replacement of turbine rotors and combustion sections, including afterburners. Also authorized are replacing externally damaged, deteriorated, or time-limited components, gear boxes, or accessories, and conducting engine inspections. In addition, minor repair to the compressor section is authorized, for example, dressing nicks in compressor vanes and blades within limits of the operating and service. Further, the repair or replacement of reduction gear boxes and torque shafts of turboshaft engines and compressor fans of turbofan engines which are considered repairable within the limits of the approved intermediate maintenance manuals shall be done by second-degree repair activities.
- 3 Encompasses the same gas turbine engine repair capability as the second-

Logical Delete Field Descriptions

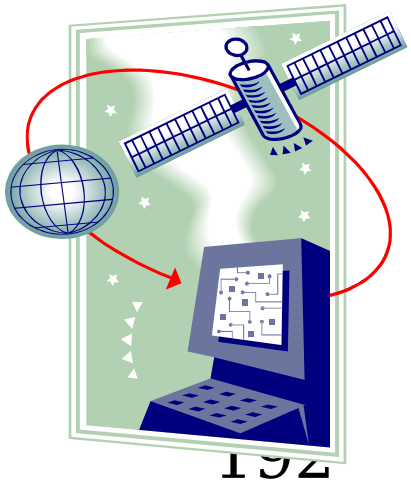


Delete Checkbox:

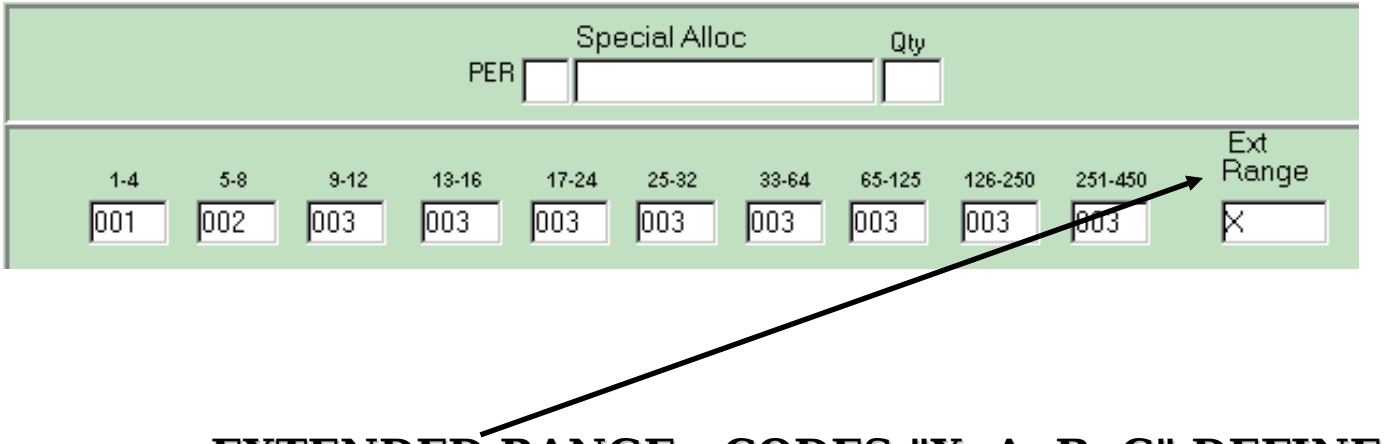
If checked, the associated system application has been logically deleted from this SERD but is still displayed for historical information

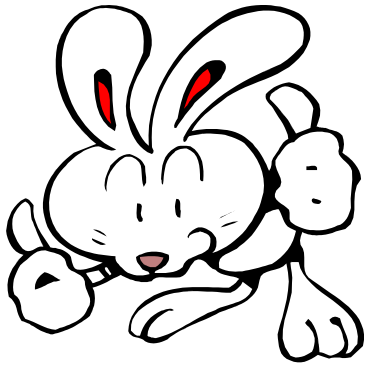
What is a Logical Delete?

A Logical Delete allows for the NIIN or System to be reinstated at a later date by NAVICP.



Ten Column Spread ALLOCATION





<u>EXTENDED RANGE</u> - CODES "X, A, B, C" DEFINE VARIOUS COMBINATIONS OF THE 10-COLUMN SPREAD RANGES TO BE USED TO ACCOMMODATE RANGES OF END ARTICLES BEYOND 450.

<u>X</u> - Quantity specified in the 251-450 Range

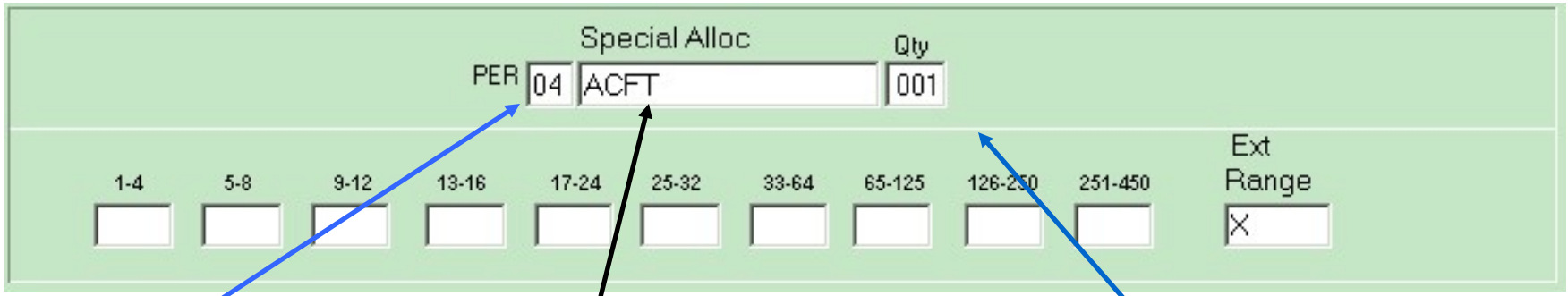
<u>A</u> - Quantity specified in the 251-450 Column applies for range of 451-700 EA. If the number of EA to be supported exceeds 700, add the quantity listed in column 13-16 to that indicated in column 251-450.

<u>B</u> - Allowance for quantities in excess of 450 is the sum of the number listed in the 251-450 range and that listed in the 13-16 quantity ranges.

<u>C</u> - Allowance for 451-700 is the sum of the quantities shown in the

Special ALLOCATION Options

Example: (*PER)* 04 (*Special Alloc)* ACFT (*Qty)* 001



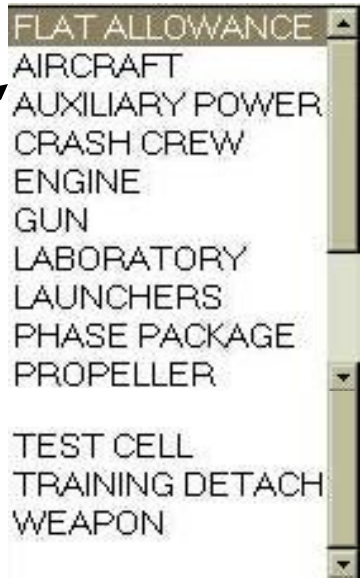
PER UNIT:

If no 10 Column Spread, this field will be filled with a quantity that will correspond to the special allocation and quantity fields.

Special Allocation:

Identifies the category if no 10 column spread data.

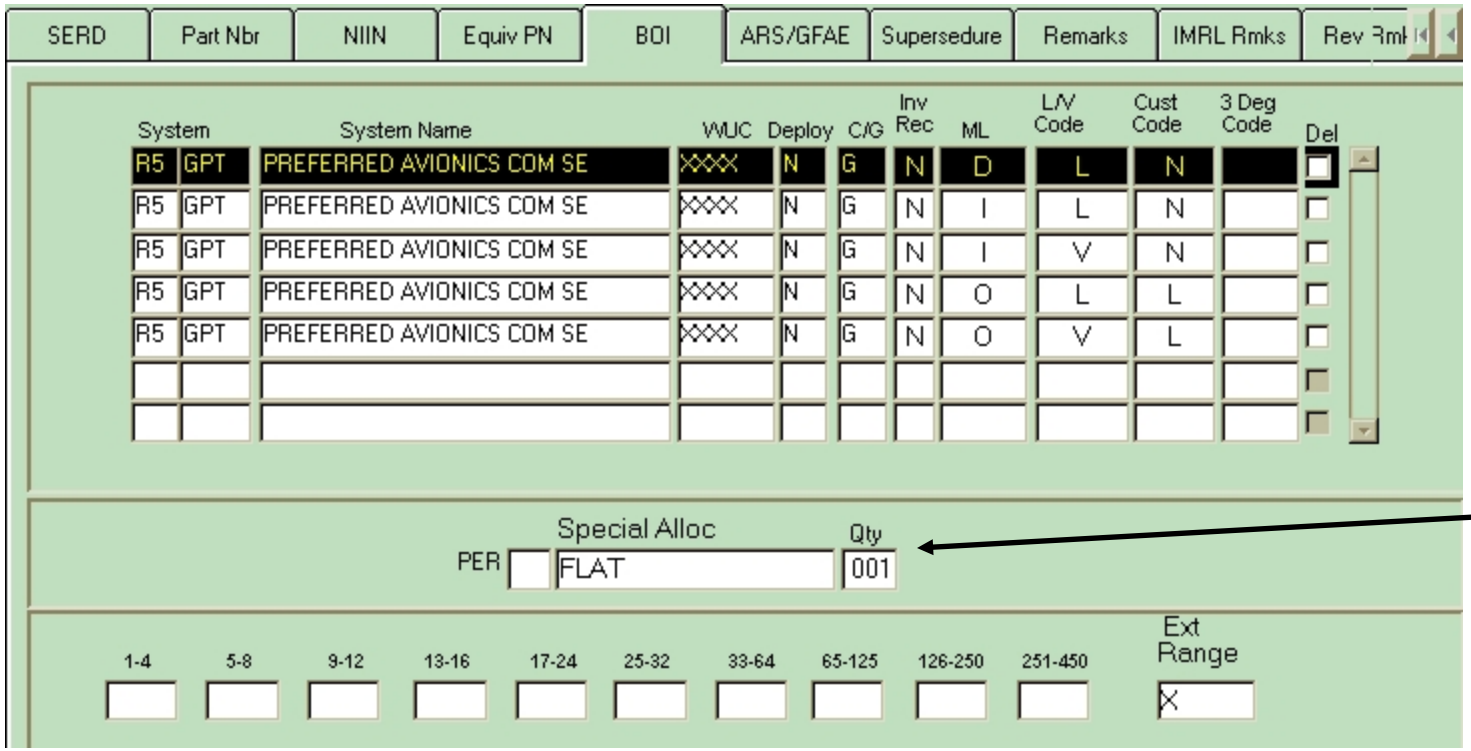
Available Allocation Categories!



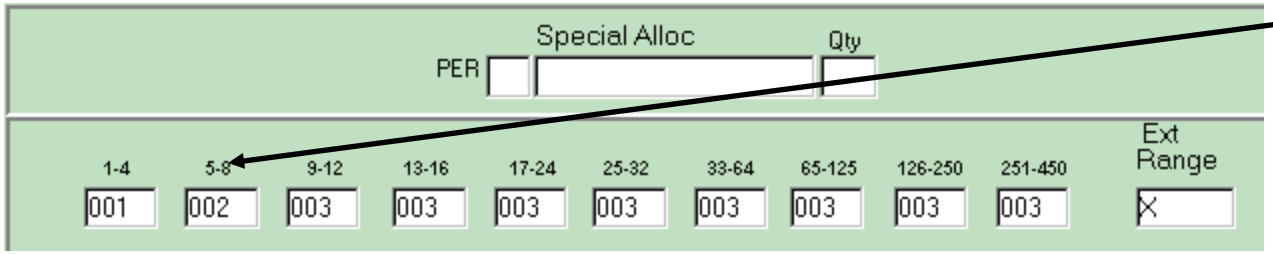
Quantity:

Field will have a value only if the the 10 column spread will not be used. If the Allocation value is *Flat Allowance*, then the quantity value entered here will be the number of pieces of SE required by maintenance level, regardless of the end item quantity!

The Difference between displays



When the Range is a Flat or Standard Amount



When the Range is an Escalating Value (Using a 10 column spread)

Allowance Guide Restrictions Values

M/L	DESIG DESCRIPTION	L/V CODE	CUSTODY CODE	LIST SERIES	DEPLOY LIST CD	CAL REQ'D
T	# or FLAT	L	N	A ($ QC/QM/QS/TD/FE/WE)	N	N
T	# or FLAT	L	L	A ($ QC/QM/QS/TD/FE/WE)	N	Y
T	# or FLAT	L	P	A ($ QC/QM/QS/TD/FE/WE)	N	N/Y
O	# or FLAT	*	N	A ($ QC/QM/QS)	N/Y	N
O	# or FLAT	*`	L	A ($ QC/QM/QS)	N/Y	Y
O	# or FLAT	*	P	A ($ QC/QM/QS)	N	N/Y
O	# or FLAT	*	N	QB	N/Y	N
O	PERxxACFT	*	L	GO	N/Y	Y
O	PERxxACFT	*	M	GO	N/Y	N
O	PER xxACFT	*	P	GO	N	N/Y
O	PERxxACFT	*	N	GO, TA	N/Y	N
O	PERxxAPU	*	N	TU	N	N
O	PERxxENGN	*	N	TE	N	N
O	PERxxGUN	*	N	GU	N	N
O	PERxxGUN	*	P	GU	N	N/Y
O	PERxxGUN	*	E	GU	N	N/Y
O	PERxxGUN	*	L	GU	N/Y	Y
O	PERxxLAUS	*	N	AE	N	N
O	PERxxLAUS	*	P	AE	N	N/Y
O	PERxxLAUS	*	E	AE	N	N/Y
O	PERxxLAUS	*	L	AE	N/Y	Y
O	PERxxLAB	L	N	CN	N	N
O	PERxxLAB	L	P	CN	N	N/Y
O	PERxxLAB	L	M	CN	N	N
O	PERxxLAB	L	L	CN	N	Y
O	PERxxTRND	L	N	TR	N	N
O	PERxxTRND	L	P	TR	N	N/Y
O	PERxxTRND	L	L	TR	N	Y
O	PERxxPROP	*	N	TP	N	N

NOTES:

- **"T" LEVEL – NO "TD", "FE", "WE", "QC", "QM" OR "QS" LIST CODES ALLOWED.**
- **"O" LEVEL – NO "FE", "WE", "QC", "QM" OR "QS" LIST CODES ALLOWED.**
- **"I" LEVEL – CUSTODY CODE MUST ALWAYS BE "N". NO "QB" OR "TD" LIST CODES ALLOWED.**
- **"D" LEVEL – CUSTODY CODE MUST ALWAYS BE "N". NO "QB" OR "TD" LIST CODES ALLOWED**

LEGEND: # = Blank

*** = L, V or B**

Allowance Guide Restrictions Values

M/L	DESIG DESCRIPTION	L/V CODE	CUSTODY CODE	LIST SERIES	DEPLOY LIST CD	CAL REQ'D
I	#or FLAT	*	N	A ($QB)	N	N/Y
I	#or FLAT	L	N	FE -3	N	N/Y
I	#or FLAT	V	N	FE -1,- 2,- 4,- 5	N	N/Y
I	PERxxWPN	*	N	WE	N	N/Y
I	PERxxGUN	*	N	GU	N	N/Y
I	PERxxAPU	*	N	TU	N	N/Y
I	PERxxENGN	*	N	TE	N	N/Y
I	PERxxLAB	L	N	CN	N	N/Y
I	PERxxTRND	L	N	TR	N	N/Y
I	PERxxLAUS	*	N	AE	N	N/Y
I	PERxxPPKG	*	N	CS	N	N/Y
I	PERxxPROP	*	N	TP	N	N/Y
I	PERxxACFT	*	N	WE	N	
I	PERxxTCEL	*	N	TE, TG	N	N/Y
D	# or FLAT	L	N	A	N	N/Y
D	PERxxACFT	L	N	TA, GO	N	N/Y
D	PERxxAPU	L	N	TU	N	N/Y
D	PERxxENGN	L	N	TE	N	N/Y
D	PERxxGUN	L	N	TA, GO	N	N/Y
D	PERxxLAUS	L	N	AE	N	N/Y
D	PERxxPROP	L	N	TP	N	N/Y
D	PERxxTCEL	L	N	TE, TG	N	N/Y

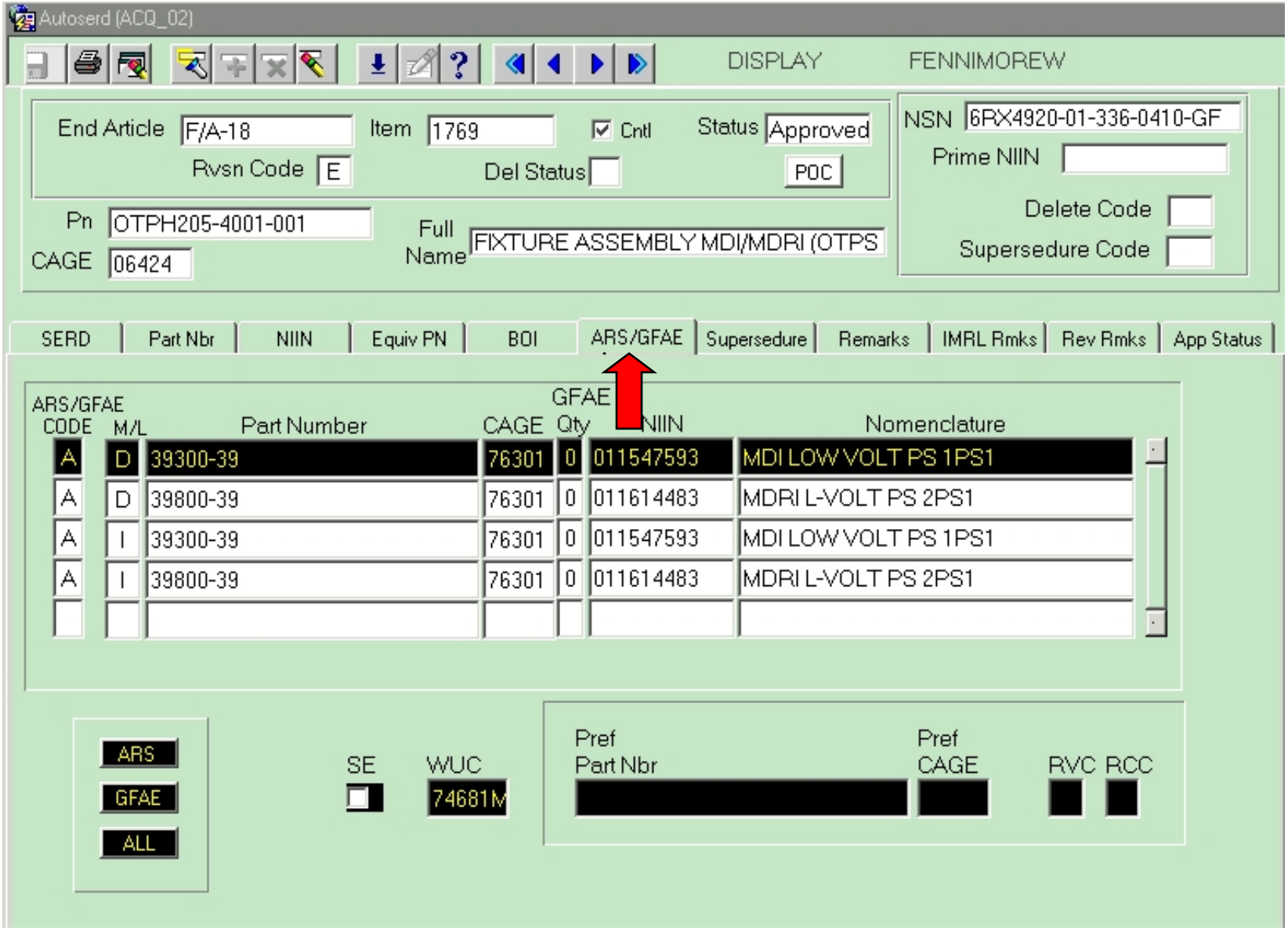
NOTES:

- **"T" LEVEL – NO "TD", "FE", "WE", "QC", "QM" OR "QS" LIST CODES ALLOWED.**
- **"O" LEVEL – NO "FE", "WE", "QC", "QM" OR "QS" LIST CODES ALLOWED.**
- **"I" LEVEL – CUSTODY CODE MUST ALWAYS BE "N". NO "QB" OR "TD" LIST CODES ALLOWED.**
- **"D" LEVEL – CUSTODY CODE MUST ALWAYS BE "N". NO "QB" OR "TD" LIST CODES ALLOWED**

LEGEND: # = Blank

*** = L, V or B**

ARS/GFAE Tab Information



ARS/GFAE Tab Information

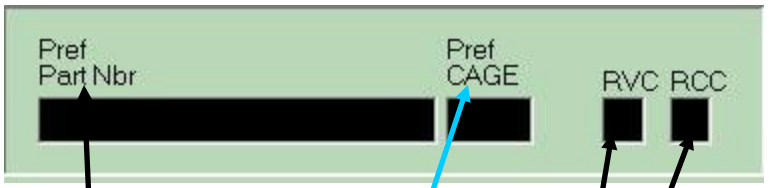
Either 'A' for ARS (Article Requiring Support), 'G' for GFAE (Government Furnished Aeronautical Equipment) or 'B' for both

This value shows the quantity of GFAE required for this Part Number/Nomenclature Combination

The sorting box allows the user to choose to display only ARS or GFAE SERD information. To choose your option, click on the preferred button. The default display is ARS only

The Values here for Maintenance Level (M/L), Part Number, CAGE, NIIN and Nomenclature are the indicators of the ARS/GFAE Unit attached to the Systems generated on the BOI screen.

ARS/GFAE Tab Information



Indicates if the highlighted ARS or GFAE Unit is considered a piece of Support Equipment

Work Unit Code Classification. Is only valid if the ARS/GFAE is considered SE.

Preferred Part Number according to the associated NAVICP codes

Identifies the NAVICP preferred manufacturer for the SE Item if specified.

Reference Category Code and Reference Variation Code - NAVICP assigned information. Sortable information only utilized by NAVICP. Both directly tie in to the method used by NAVICP to express their preferred Part Number under the NIIN

What is GFAE?

GOVERNMENT FURNISHED AERONAUTICAL EQUIPMENT (GFAE) IS USED TO IDENTIFY AIRBORNE COMPONENTS (WRAs/SRAs) USED/REQUIRED TO COMPLETE TEST BENCH INSTALLATIONS OR TEST HARNESS SET-UPS.

-- GFAE ITEMS WILL BE SHOWN IN THE ASSOCIATED TEST EQUIPMENT TECHNICAL MANUAL AS PART OF THE TEST SET-UP.

-- GFAE DATA INCLUDES: PART NUMBER, CAGE (FSCM), NSN (NIIN), NOMENCLATURE, SYSTEM NUMBER, QUANTITY OF ITEMS REQUIRED AS PART OF THE TEST BENCH INSTALLATION.

-- GFAE IS NOT FOR FLIGHT USE

THE MAINTENANCE PLAN OR LSA FOR THE AIRBORNE SYSTEM MUST CALL OUT THE SE END ITEM (TEST BENCH / HARNESS / SET) AND ALSO THE GFAE REQUIRED AS PART OF THE SETUP.

MPs / LSA AUTHORIZE THE USE OF GFAE, TECHNICAL PUBS DO NOT!!!

DATA USE(S):

GFAE ALLOWANCING IS DONE IN TERMS OF THE BASIS OF ISSUE (BOI) FOR THE TEST BENCH OR TEST HARNESS.

AUTHORIZED ALLOWANCE OF GFAE IS DETERMINED BY:

-- THE QUANTITY OF ITEMS REQUIRED AS PART OF THE TEST BENCH INSTALLATION OR TEST HARNESS SETUP.

X

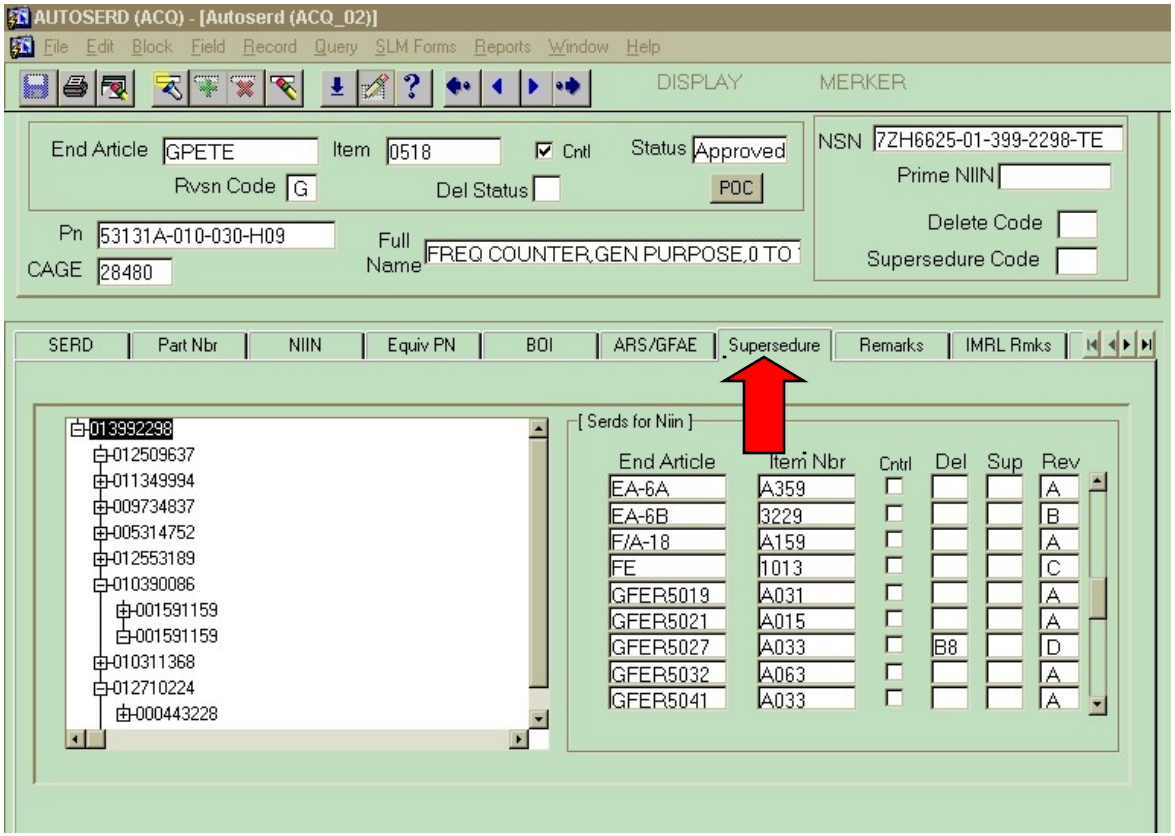
-- THE AUTHORIZED ALLOWANCE OF TEST BENCHES OR TEST HARNESSES.

NOTE: ASO CUSTOMER OPERATIONS (ROP-44) MAINTAINS A MASTER LIST OF GFAE ITEMS.

-- AERONAUTICAL REQUIREMENTS REGISTER (ARR), PART IV

REFERENCES: NAVAIRINST 4000.20A

SUPERSEDURES Tab



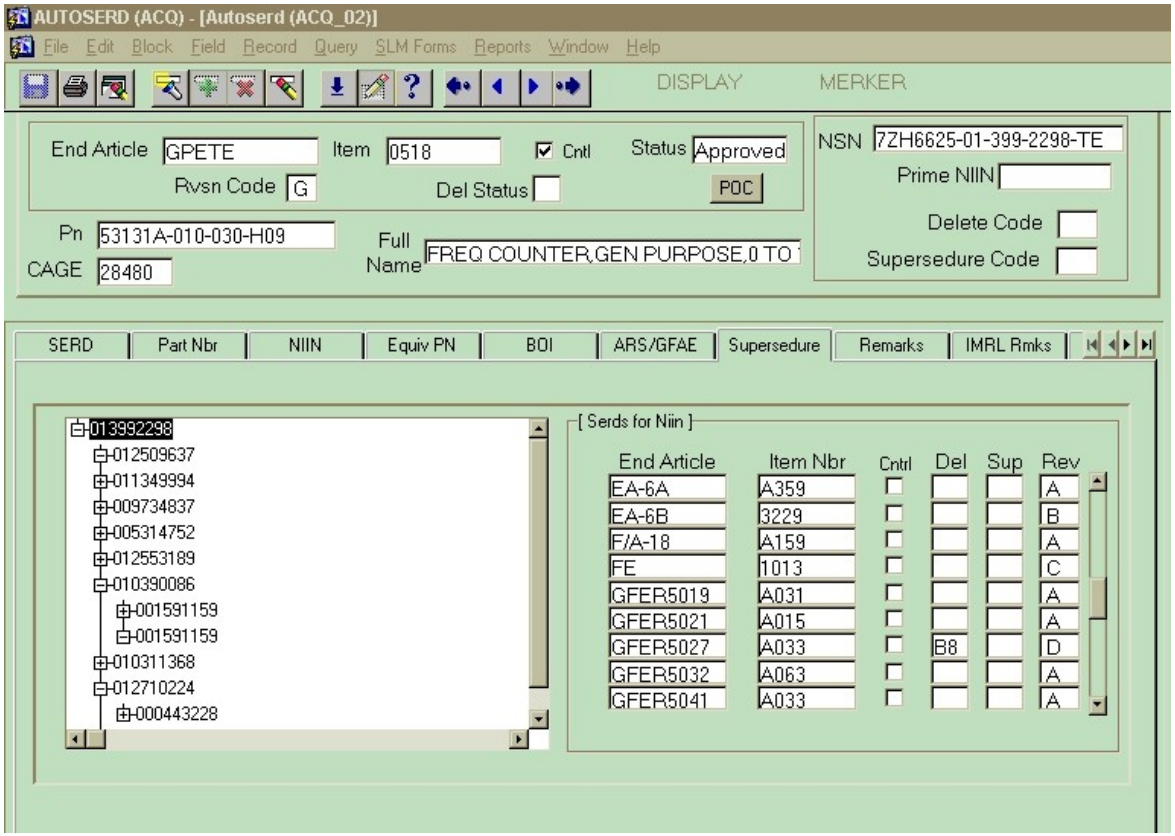
The Supersedure Tab allows the User to identify SE that either <u>Supersedes</u> or is <u>Superseded by</u> Other SE.

<u>SUPERSEDES</u>: A (New) End Item of SE the replaces another SE End Item

<u>SUPERSEDED BY</u>: The SE End Item being Replaced.

Once an Item has been Superseded, the Item has a different *Prime NIIN*.

SUPERSEDURES Background

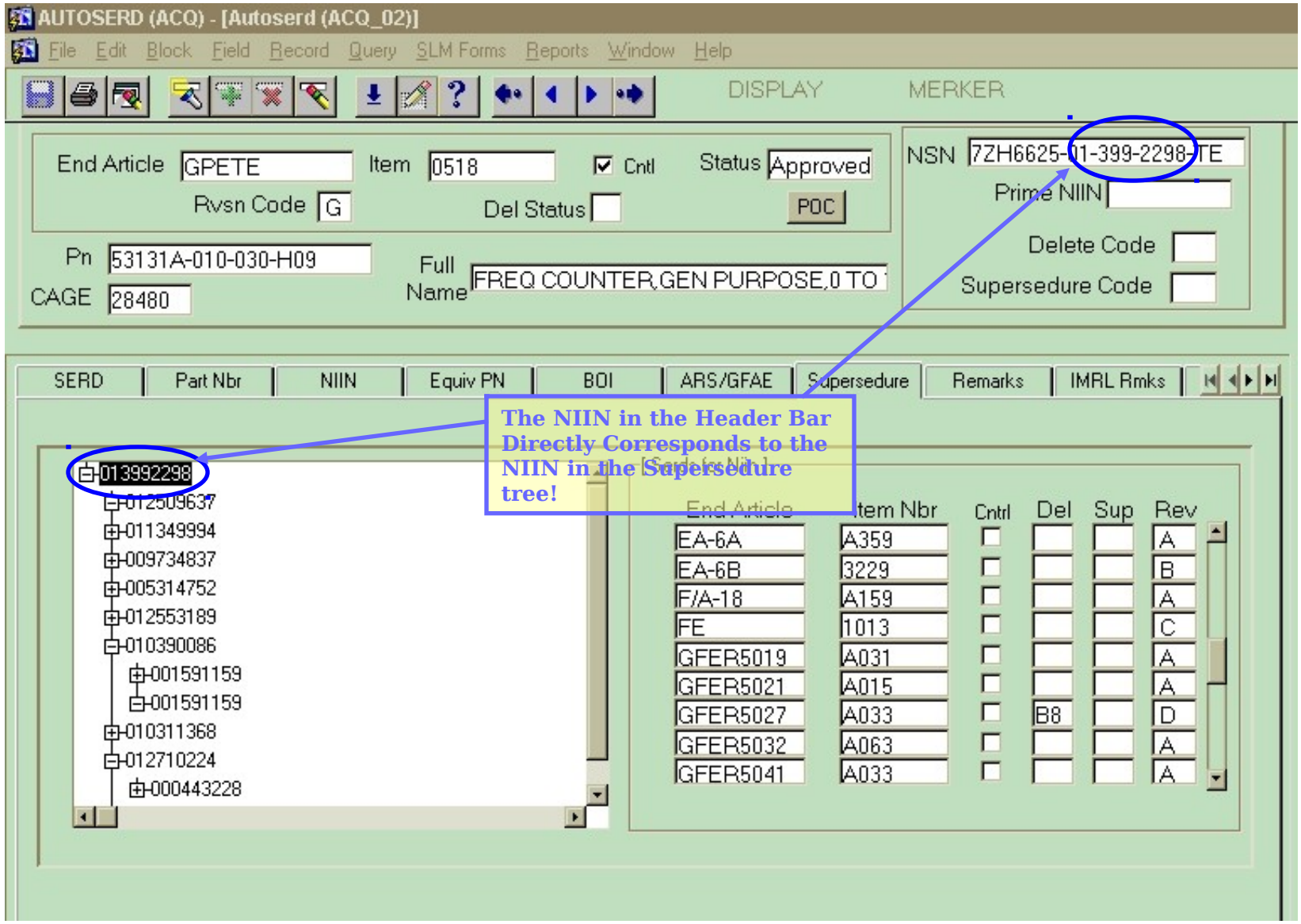


When a SERD Item has been Superseded, the SE Item is no longer actively managed or has no future procurement significance. All funding and support for the SE end item will be extended through the SERD associated with the Prime NIIN.

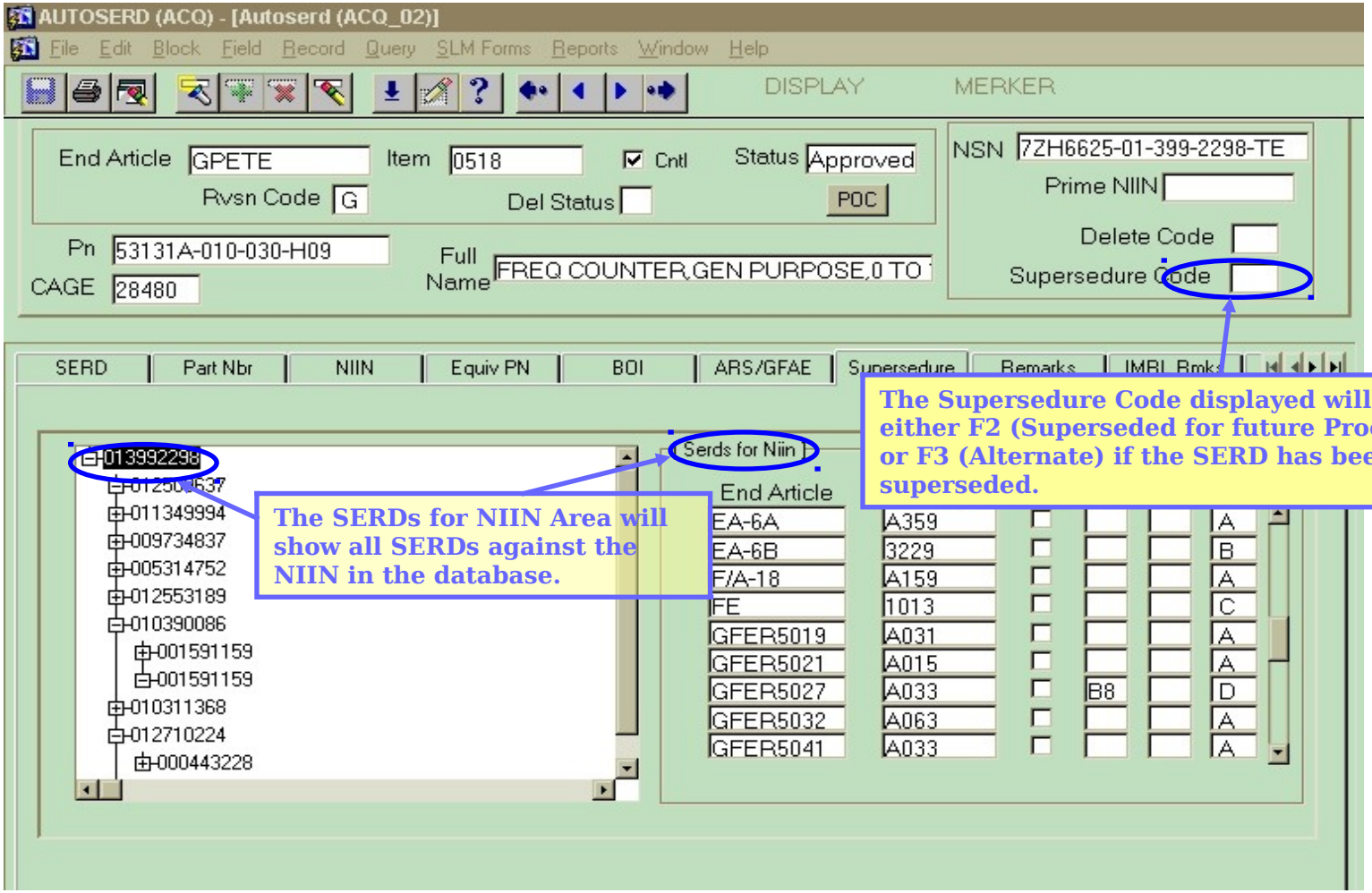
Once an Item has been Superseded, the Item has a different *Prime NIIN*.

***Supersedures can only be done from Control SERD to Control SERD, and both SERDs must be in the same End Article!**

SUPERSEDURES Hierarchical Tree

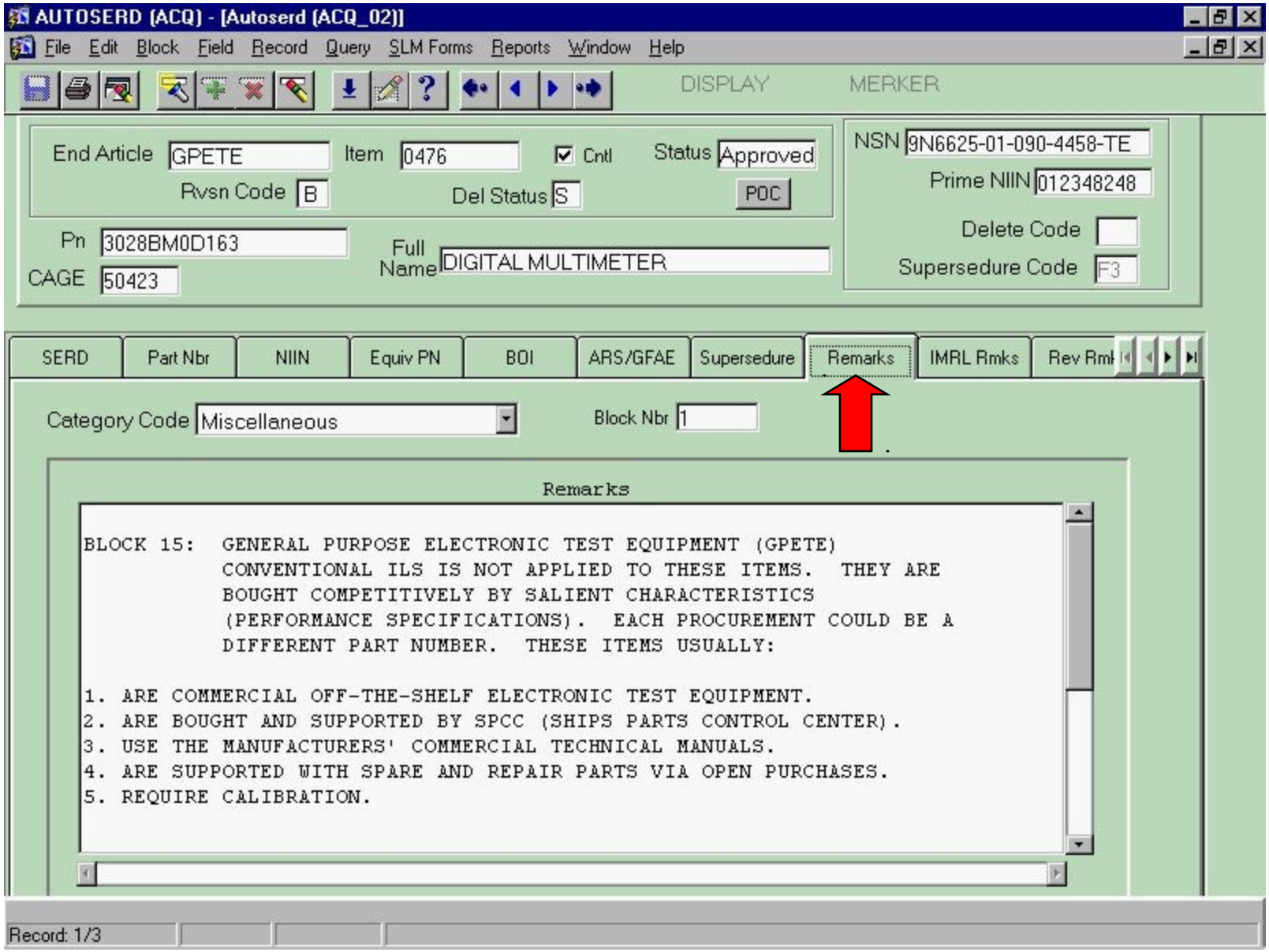


SUPERSEDURES Hierarchical Tree

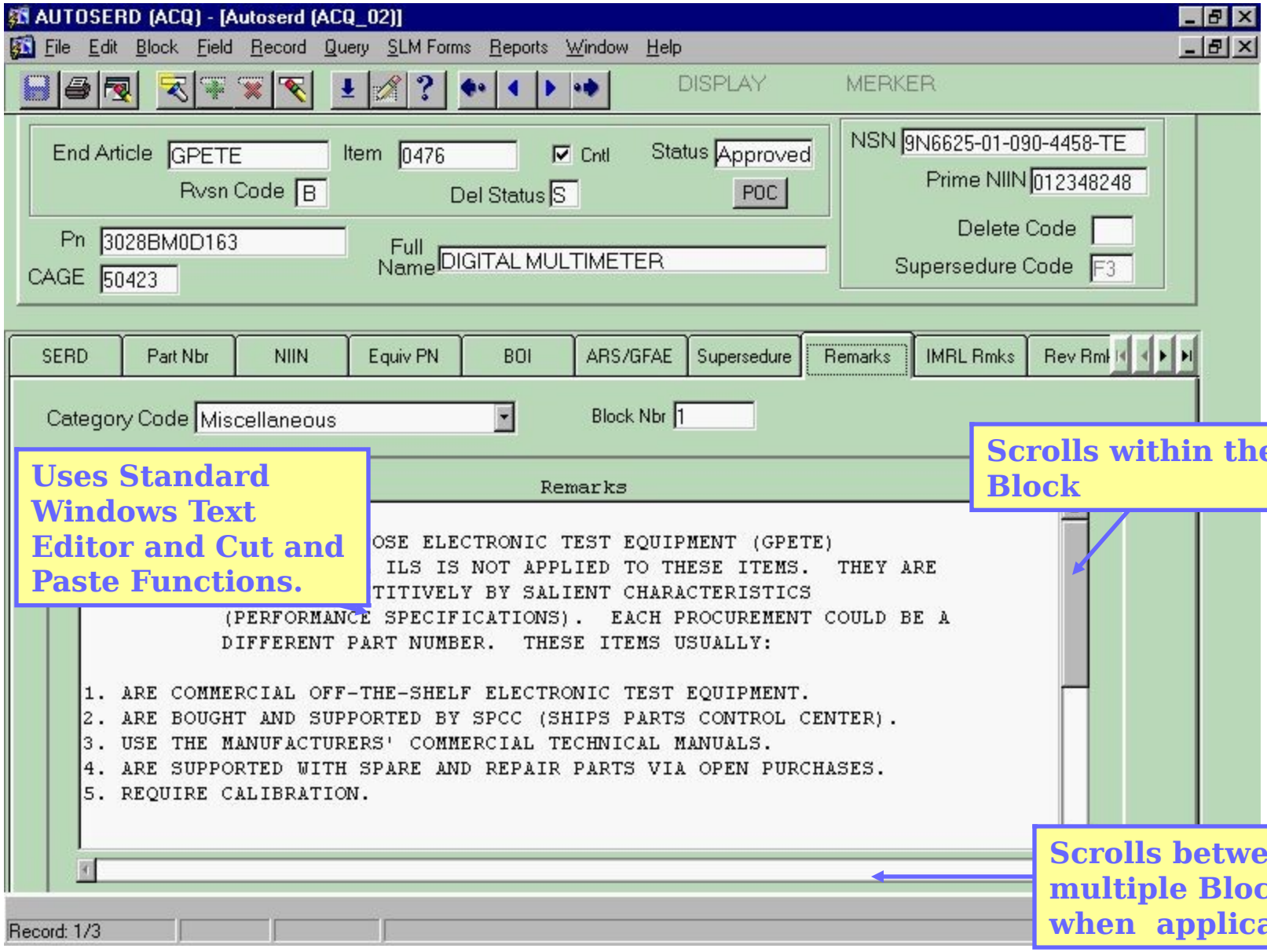


The Hierarchical Tree for Supersedures are the same across all SERDs. This allows you to determine the SERD's status in the Supersedure Tree. The NIIN at the top Left Corner of the list is always the Prime NIIN for the family of NIINs!

The Remarks Tab



The Remarks Data Entry

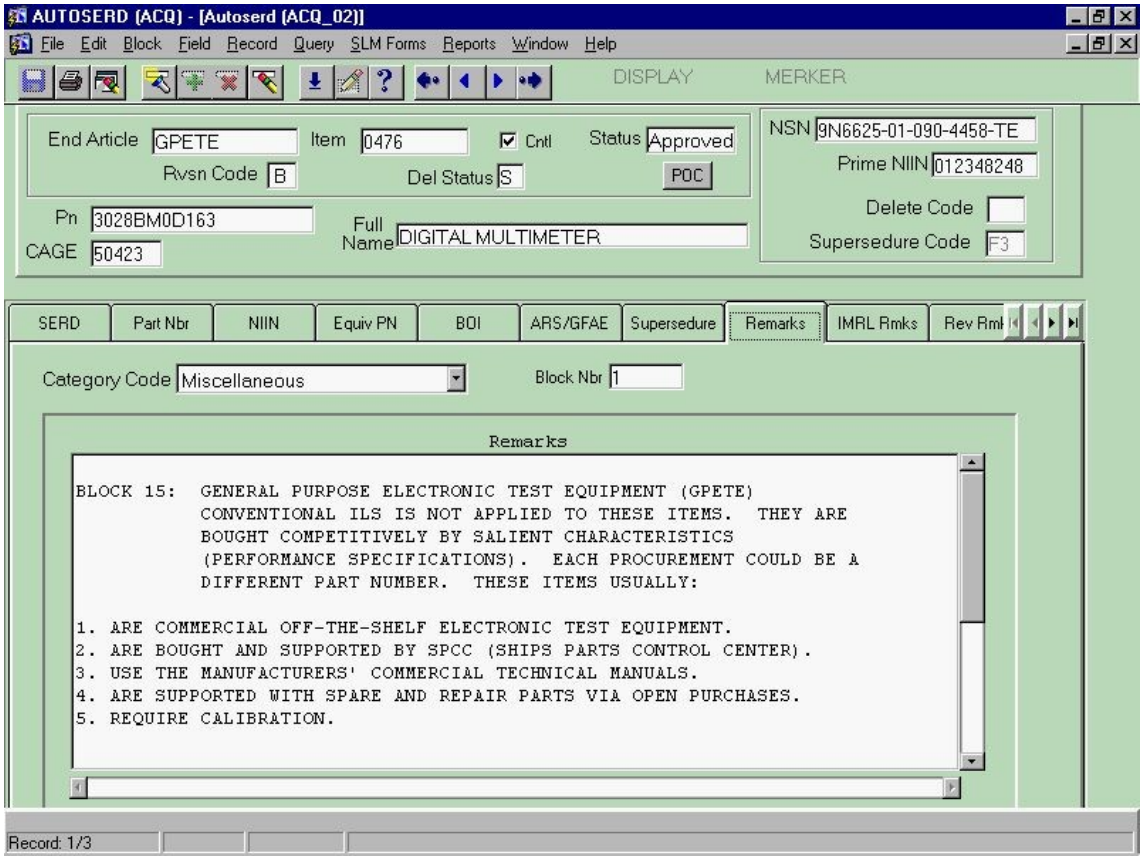

AUTOSERD (ACQ) - [Autoserd (ACQ_02)]
File Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY MERKER
End Article GPETE
Item 0476
Cntl
Status Approved
Rvsn Code B
Del Status S
POC
NSN 9N6625-01-090-4458-TE
Prime NIIN 012348248
Delete Code
Supersedure Code F3
Pn 3028BM0D163
CAGE 50423
Full Name DIGITAL MULTIMETER
SERD Part Nbr NIIN Equiv PN BOI ARS/GFAE Supersedure Remarks IMRL Rmks Rev Rmk
Category Code Miscellaneous
Block Nbr 1
Remarks
OSE ELECTRONIC TEST EQUIPMENT (GPETE)
ILS IS NOT APPLIED TO THESE ITEMS. THEY ARE
TITIVELY BY SALIENT CHARACTERISTICS
(PERFORMANCE SPECIFICATIONS). EACH PROCUREMENT COULD BE A
DIFFERENT PART NUMBER. THESE ITEMS USUALLY:
1. ARE COMMERCIAL OFF-THE-SHELF ELECTRONIC TEST EQUIPMENT.
2. ARE BOUGHT AND SUPPORTED BY SPCC (SHIPS PARTS CONTROL CENTER).
3. USE THE MANUFACTURERS' COMMERCIAL TECHNICAL MANUALS.
4. ARE SUPPORTED WITH SPARE AND REPAIR PARTS VIA OPEN PURCHASES.
5. REQUIRE CALIBRATION.
Record: 1/3
Uses Standard Windows Text Editor and Cut and Paste Functions.
Scrolls within the Block
Scrolls between multiple Blocks when applicable.

The Remarks Purpose

The Remarks Tab is utilized to provide Clear Text Comments covering both overflow information and information not adequately addressed in all other SERD Blocks.

In addition, it is used to capture Fig 1A narrative information on functionality of the SE and to further describe it for ICP Cataloging Actions. (Fig 1A Narrative Data is a MANDATORY ENTRY).

The SERD Remarks should always serve to amplify the reason for revision, Fig. 1A data, procurement status if known, any related information and POCs who worked the SERD (including Name/Code/Phone#/E-Mail Address).



Potential Overflow Remarks Data Examples:

TRD, TRC, Additional ARCs Data

Management Reviews/Reports/Engineering

Specification Deviations/Waivers Requested by Contractor

Expansion of Deletion/Supersedure Reasons

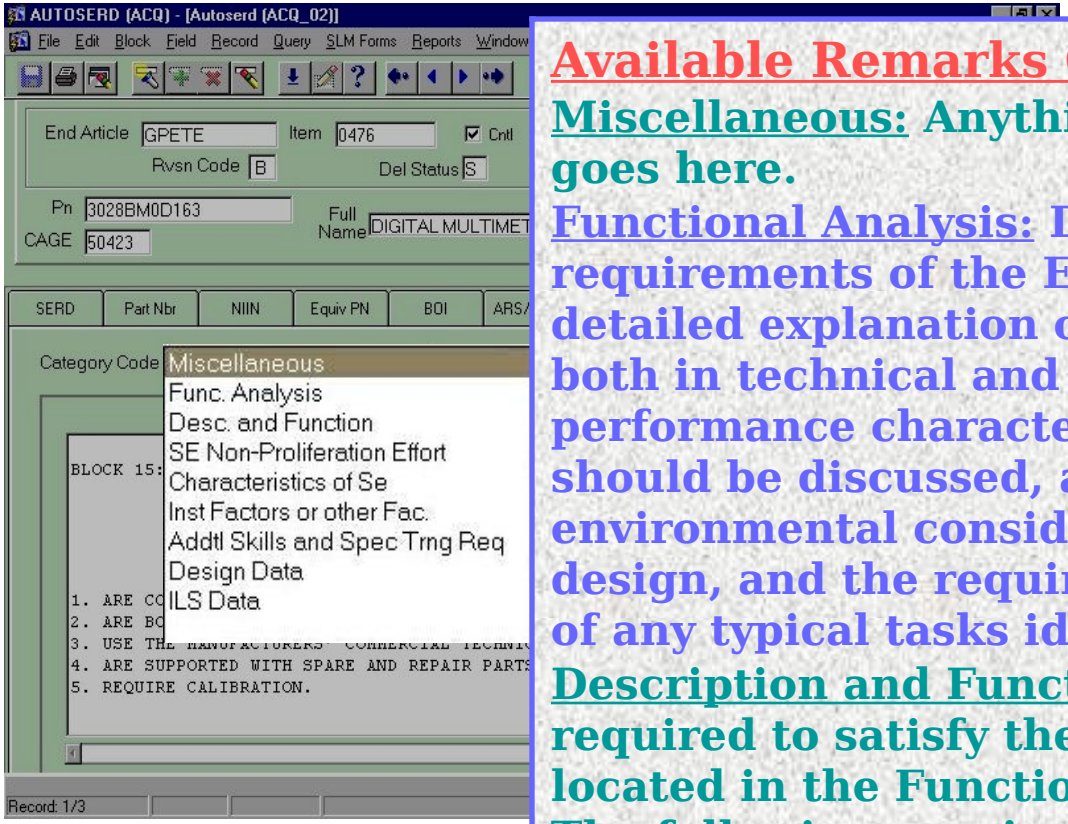
LSA (Reliability and Maintainability) e.g., prototype

Identification of Development Costs,

Explanation of Tech Manual Codes 50 and Up

Amplification of Recommended Quantity Factor Rationale

The Remarks Categories


AUTOSERD (ACQ) - [Autoserd (ACQ_02)]
File Edit Block Field Record Query SLM Forms Reports Window
End Article GPETE Item 0476 Cntl
Rvsn Code B Del Status S
Pn 3028BM0D163 Full Name DIGITAL MULTIMET
CAGE 50423
SERD Part Nbr NIIN Equiv PN BOI
Category Code Miscellaneous
Func. Analysis
Desc. and Function
SE Non-Proliferation Effort
Characteristics of Se
Inst Factors or other Fac.
Addtl Skills and Spec Trng Req
Design Data
ILS Data
BLOCK 15:
1. ARE CO
2. ARE BO
3. USE THE MANUFACTURERS' COMMERCIAL TECHNI
4. ARE SUPPORTED WITH SPARE AND REPAIR PARTS
5. REQUIRE CALIBRATION.
Record: 1/3

Available Remarks Categories:

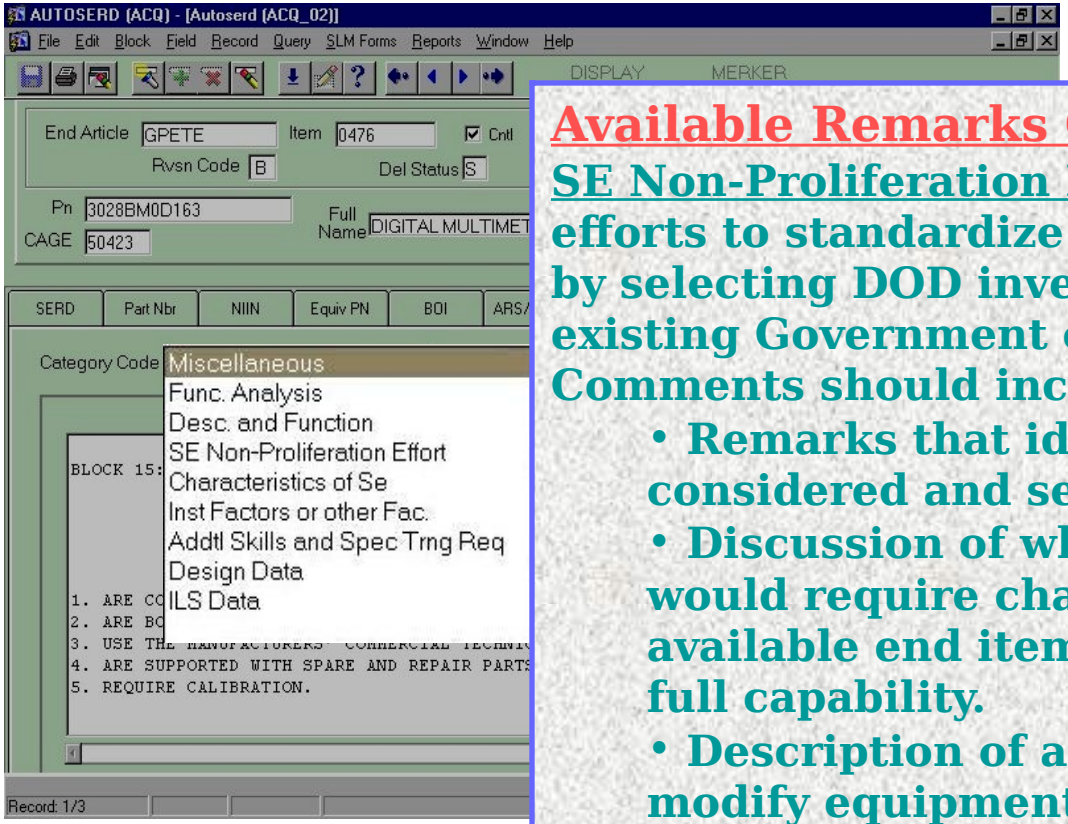
Miscellaneous: Anything without a specific category goes here.

Functional Analysis: Describes the functional requirements of the End Article. It will provide a detailed explanation of the function requiring support both in technical and quantitative terms. Specific performance characteristics and design criteria should be discussed, as well as any unique environmental considerations requiring special design, and the required interval for the performance of any typical tasks identified.

Description and Function: Used to describe the SE required to satisfy the functional requirements located in the Functional Analysis Remarks Category. The following requirements should be used:

- For Items covered by Government specifications/drawings or items in the inventory, identify the type designator, NSN and specification/drawing or the manufacturer's name, part number and CAGE code. Alternate and interim items should be noted in the same manner.
- The unique special characteristics of the SE such as material, fragility or finish (where different from the Physical Characteristics information) must be identified. Descriptive comments are combined with a one-

The Remarks Categories


AUTOSERD (ACQ) - [Autoserd (ACQ_02)]
File Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY MERKER
End Article GPETE Item 0476 Cntl
Rvsn Code B Del Status S
Pn 3028BM0D163 Full Name DIGITAL MULTIMET
CAGE 50423
SERD Part Nbr NIIN Equiv PN BOI
Category Code Miscellaneous
Func. Analysis
Desc. and Function
SE Non-Proliferation Effort
Characteristics of Se
Inst Factors or other Fac.
Addtl Skills and Spec Trng Req
Design Data
ILS Data
BLOCK 15:
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2. ARE BO
3. USE THE MANUFACTURERS' COMMERCIAL TECHNI
4. ARE SUPPORTED WITH SPARE AND REPAIR PARTS
5. REQUIRE CALIBRATION.
Record: 1/3

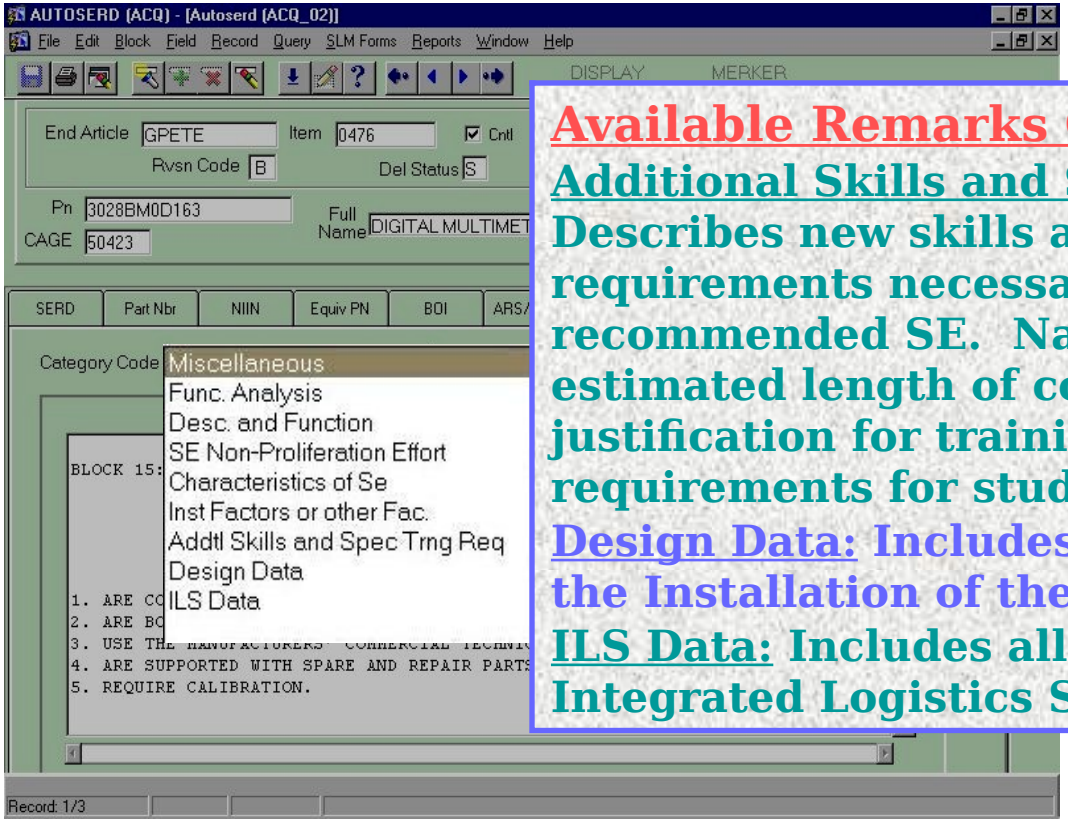
Available Remarks Categories:

SE Non-Proliferation Effort: contractor narrated efforts to standardize SE and/or limit its proliferation by selecting DOD inventory equipment or modifying existing Government or commercial equipment. Comments should include:

- **Remarks that identify the top three candidates considered and selected or not selected and why.**
- **Discussion of what parameters/characteristics would require change to accommodate the use of available end items that do not correctly provide full capability.**
- **Description of any unsuccessful efforts to modify equipment that led to the need for Peculiar Support Equipment (PSE).**

Characteristics of SE: Provides a summary of operational characteristics, including minimum and maximum capabilities, of the selected support and test equipment. The narrative should include any critical or limiting characteristics that must be considered before substitution of a similar item. Specific areas may include the equipment type, units of measurement, degrees of measurement &

The Remarks Categories


AUTOSERD (ACQ) - [Autoserd (ACQ_02)]
File Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY MERKER
End Article GPETE Item 0476 Cntl
Rvsn Code B Del Status S
Pn 3028BM0D163 Full Name DIGITAL MULTIMET
CAGE 50423
SERD Part Nbr NIIN Equiv PN BOI
Category Code Miscellaneous
Func. Analysis
Desc. and Function
SE Non-Proliferation Effort
Characteristics of Se
Inst Factors or other Fac.
Addtl Skills and Spec Trng Req
Design Data
ILS Data
BLOCK 15:
1. ARE CO
2. ARE BO
3. USE THE MANUFACTURERS' COMMERCIAL TECHNI
4. ARE SUPPORTED WITH SPARE AND REPAIR PARTS
5. REQUIRE CALIBRATION.
Record: 1/3

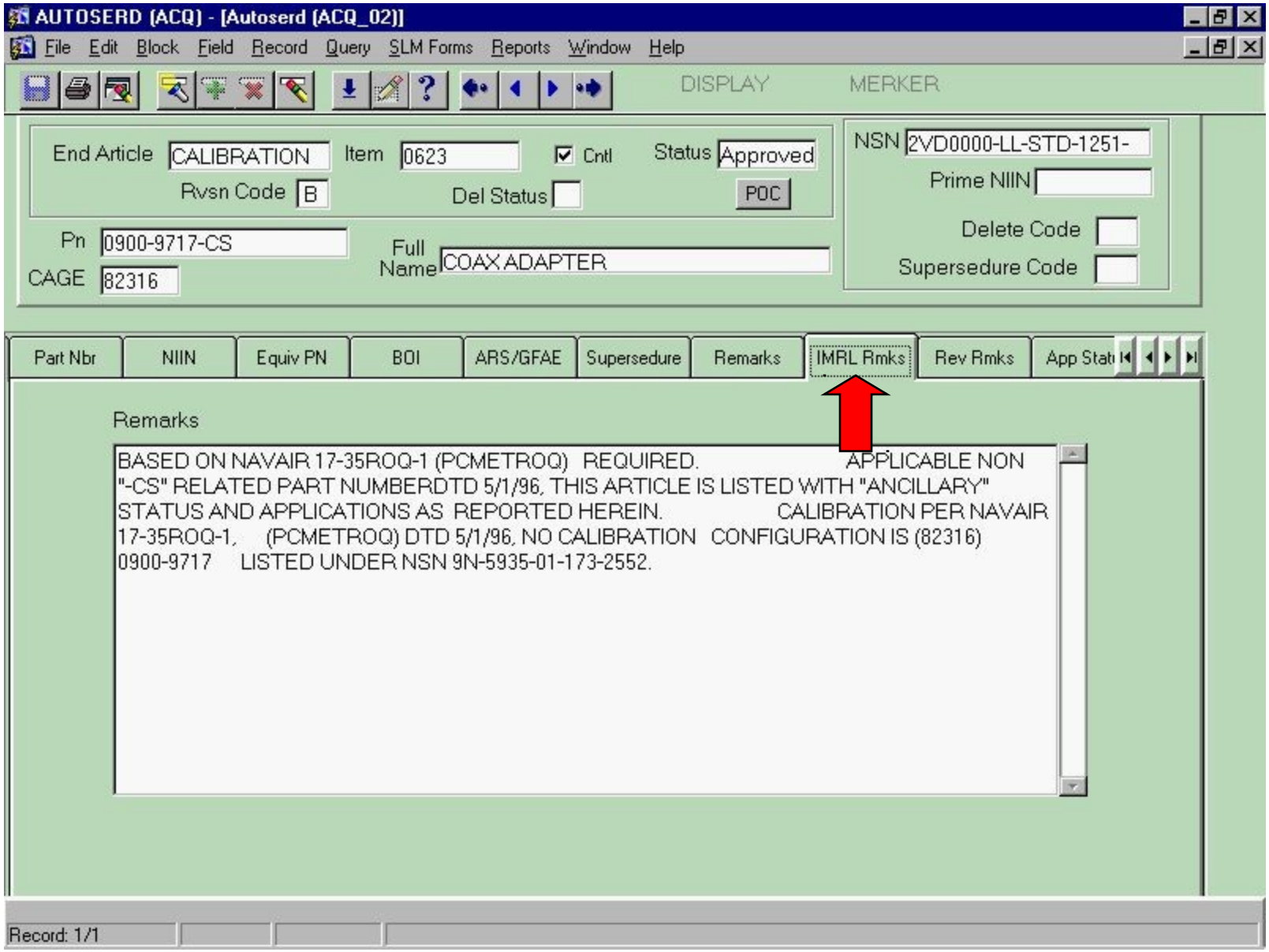
Available Remarks Categories:

Additional Skills and Special Training Requirements: Describes new skills and/or special training requirements necessary to operate or maintain the recommended SE. Narrative should include estimated length of course, recommended site, justification for training, and prerequisite requirements for students.

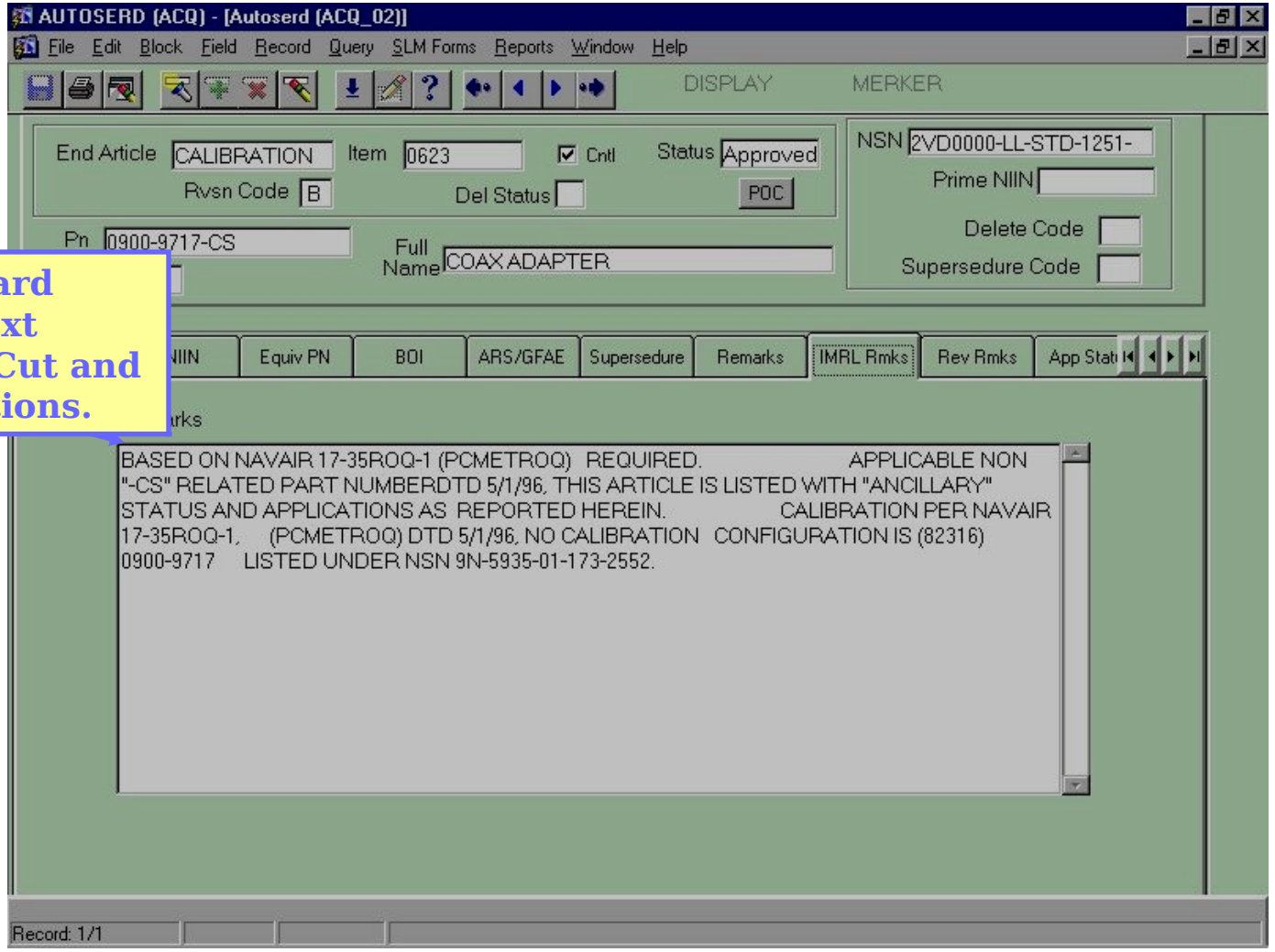
Design Data: Includes all important data related to the Installation of the SERD if necessary.

ILS Data: Includes all information related to Integrated Logistics Support (ILS) as required.

IMRL Remarks Tab



IMRL Remarks Data Entry



Uses Standard Windows Text Editor and Cut and Paste Functions.

Remarks Created Here will be printed out on the *Individual Materials Readiness List (IMRL)* report. It is the AUTOSERD User's opportunity to send required information to the IMRL Manager.

***Formerly called ACC Remarks**

IMRL Remarks Purpose

This section is intended to provide <u>Relevant Remarks</u> to be passed to SERMIS, including:

— From ARO/LRO to Aircraft Controlling Custodians (ACCs) or Support Equipment Controlling Authorities (SECAs).

— Free Form Text Input to AUTOSERD

— The Remarks are passed from AUTOSERD to SERMIS and print out on all IMRLs for APPROVED NIINs

<u>Additional Information:</u>

If the first position of SM&R is either *M* or *A*, put the drawing number, publication number, etc. for manufacturing instructions in the IMRL remarks, unless it is *M* coded software.

There is a current limitation of 32 lines of 40 characters of text due to SERMIS restrictions. These restrictions will be lifted upon the SERMIS resystemization going live.

IMRL Remarks are REQUIRED for F2 Supersedures.

IMRL Remarks are REQUIRED to document OTPS for ATE related SE (TOL).

IMRL Remarks are REQUIRED for defining relationships.

IMRL Remarks are REQUIRED for C/C = M : "Item must be sent with P/N CAGE NSN to allow calibration".

IMRL Remarks are REQUIRED for replacement or buyout clarification.

****ONLY THE CONTROL SERD IS ALLOWED TO UPDATE!!**

° STORED AT THE NIIN LEVEL

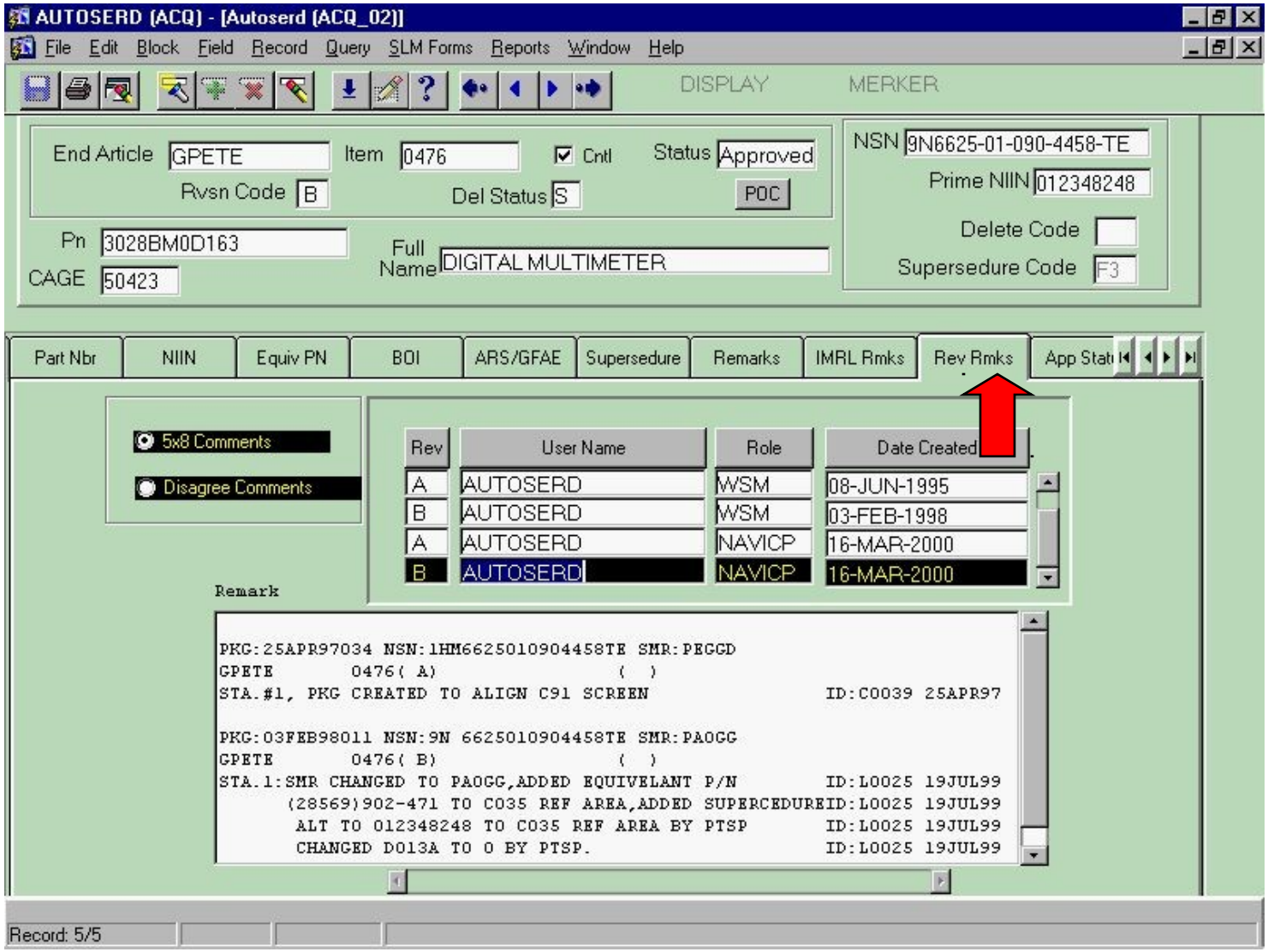
° SERMIS calls these remarks *Extended Nomenclature*

° IMRL REMARKS ARE NIIN SPECIFIC (Same Remarks printed on all SERDs with same NIIN)

° CAUTION: Do NOT REMOVE ANOTHER END ARTICLE's NOTES.

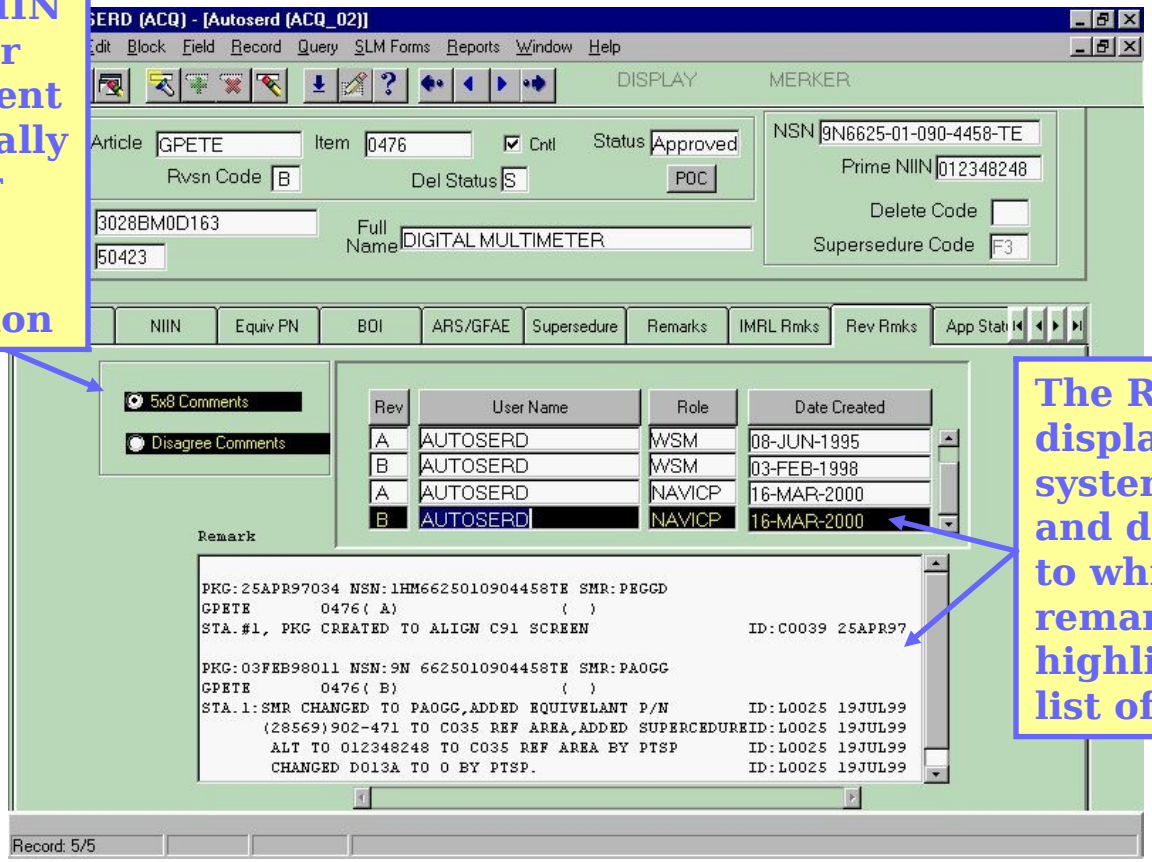
° "USE WITH" Item -- an item of SE used with another item of SE on a "1 to 1" basis. Both must have the <u>SAME BOI KEY</u>.

Revision Remarks Tab



Revision Remarks are now System Generated

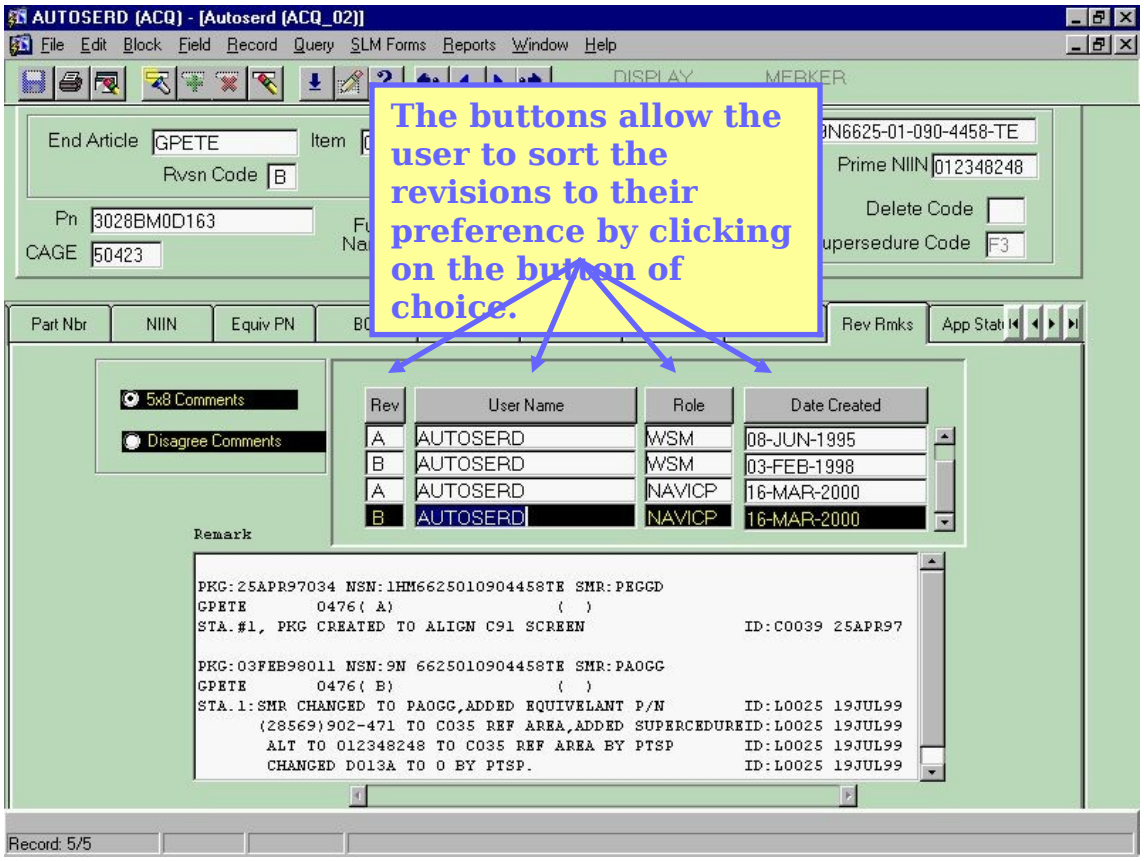
Can choose to display either NIIN 5x8 comments or User Disagreement Comments (Usually requests further changes) by clicking the appropriate option


SERD (ACQ) - [Autoserd (ACQ_02)]
Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY MERKER
Article GPETE Item 0476 Cntl Status Approved
Rvsn Code B Del Status S POC
NSN 9N6625-01-090-4458-TE
Prime NIIN 012348248
Delete Code
Supersedure Code F3
3028BM0D163
50423
Full Name DIGITAL MULTIMETER
NIIN Equiv PN BOI ARS/GFAE Supersedure Remarks IMRL Rmks Rev Rmks App Stat
5x8 Comments
Disagree Comments
Rev User Name Role Date Created
A AUTOSERD WSM 08-JUN-1995
B AUTOSERD WSM 03-FEB-1998
A AUTOSERD NAVICP 16-MAR-2000
B AUTOSERD NAVICP 16-MAR-2000
Remark
PKG:25APR97034 NSN:1HM662501090445 8TE SMR:PEGGD
GPETE 0476(A) ( )
STA.#1, PKG CREATED TO ALIGN C91 SCREEN ID:C0039 25APR97
PKG:03FEB98011 NSN:9N 662501090445 8TE SMR:PAOGG
GPETE 0476(B) ( )
STA.1:SMR CHANGED TO PAOGG,ADDED EQUIVELANT P/N ID:L0025 19JUL99
(28569)902-471 TO C035 REF AREA,ADDED SUPERCEDURE ID:L0025 19JUL99
ALT TO 012348248 TO C035 REF AREA BY PTSP ID:L0025 19JUL99
CHANGED D013A TO 0 BY PTSP. ID:L0025 19JUL99
Record: 5/5

The Remark displayed below is system generated and directly relates to whichever remark is highlighted in the list of Revisions

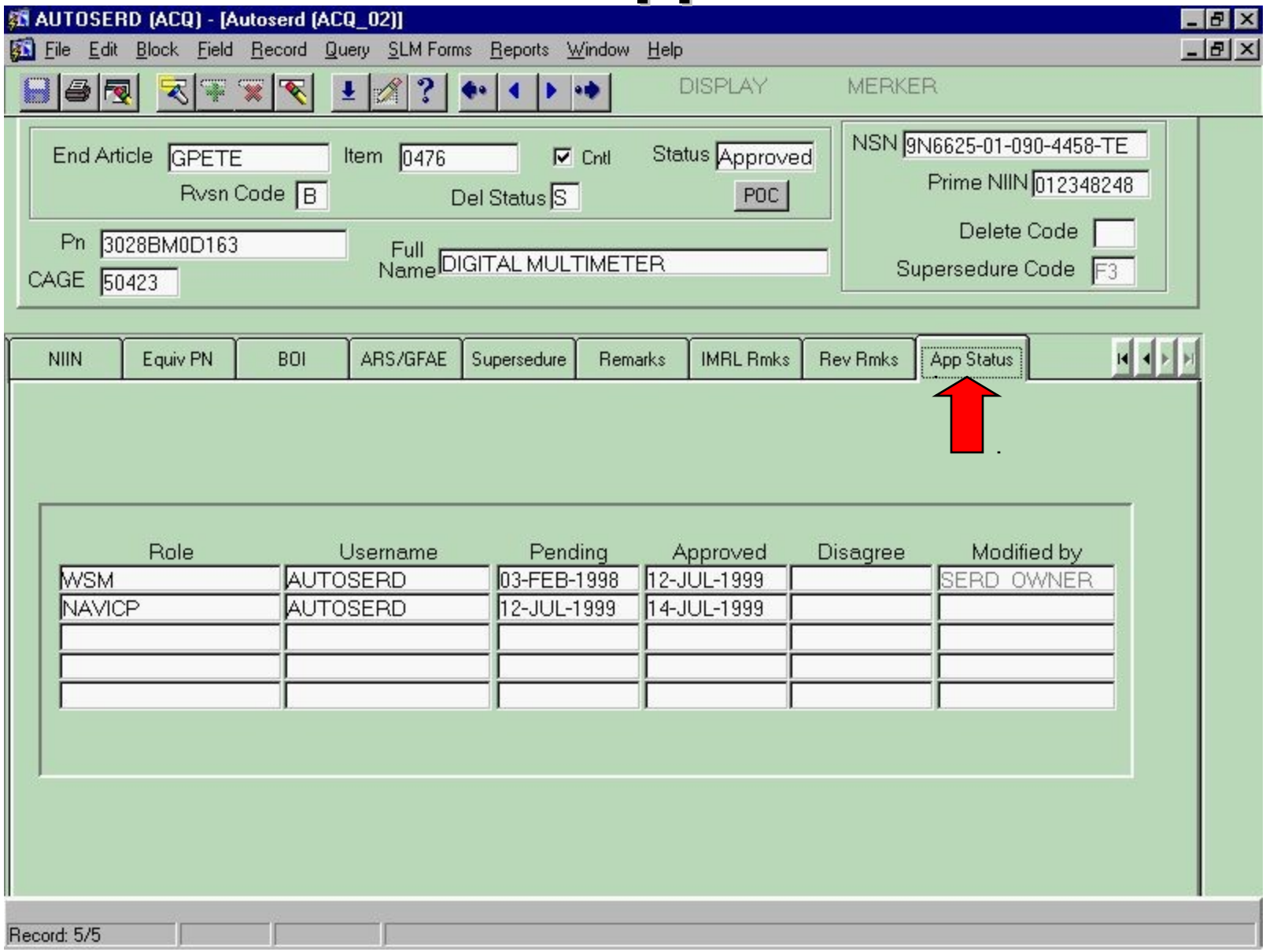
All Revision Remarks are now System Generated! When any revision is done and the change is saved, including approving or disagreeing with a SERD revision, it is noted here.

Revision Remarks are Sortable and allow for tracking of whom is working the SERD.

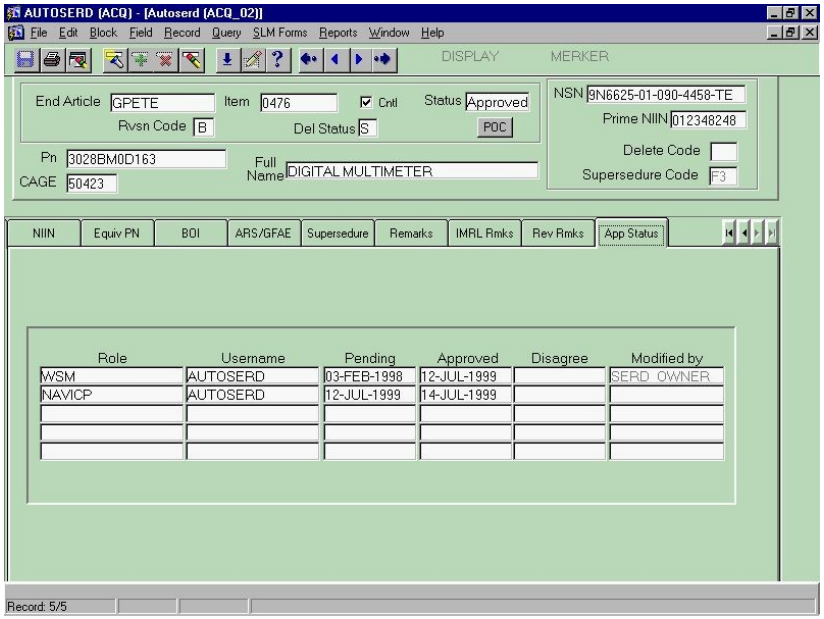

AUTOSERD (ACQ) - [Autoserd (ACQ_02)]
File Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY MERKER
The buttons allow the user to sort the revisions to their preference by clicking on the button of choice.
End Article GPETE
Item
Rvsn Code B
Pn 3028BM0D163
CAGE 50423
Prime NIIN 012348248
Delete Code
Supersedure Code F3
Part Nbr
NIIN
Equiv PN
Rev Rmks
App Stat
5x8 Comments
Disagree Comments
Rev
User Name
Role
Date Created
A AUTOSERD WSM 08-JUN-1995
B AUTOSERD WSM 03-FEB-1998
A AUTOSERD NAVICP 16-MAR-2000
B AUTOSERD NAVICP 16-MAR-2000
Remark
PKG:25APR97034 NSN:1HM6625010904458TE SMR:PEGGD
GPETE 0476(A) ( )
STA.#1, PKG CREATED TO ALIGN C91 SCREEN ID:C0039 25APR97
PKG:03FEB98011 NSN:9N 6625010904458TE SMR:PAOGG
GPETE 0476(B) ( )
STA.1:SMR CHANGED TO PAOGG,ADDED EQUIVELANT P/N ID:L0025 19JUL99
(28569)902-471 TO C035 REF AREA,ADDED SUPERCEDURE ID:L0025 19JUL99
ALT TO 012348248 TO C035 REF AREA BY PTSP ID:L0025 19JUL99
CHANGED D013A TO 0 BY PTSP. ID:L0025 19JUL99
Record: 5/5

All New Revision will include the Individual UserID who submitted the SERD Revision along with the date of the change. Any revisions done prior to the resystemization were defaulted to the User Name "AUTOSERD" in the new system.

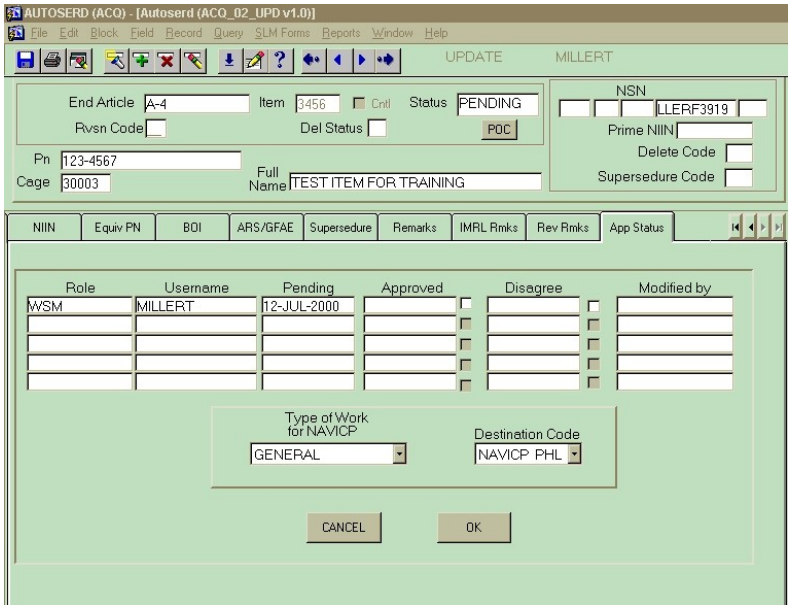
The SERD Approval Tab



The SERD Approval Screen



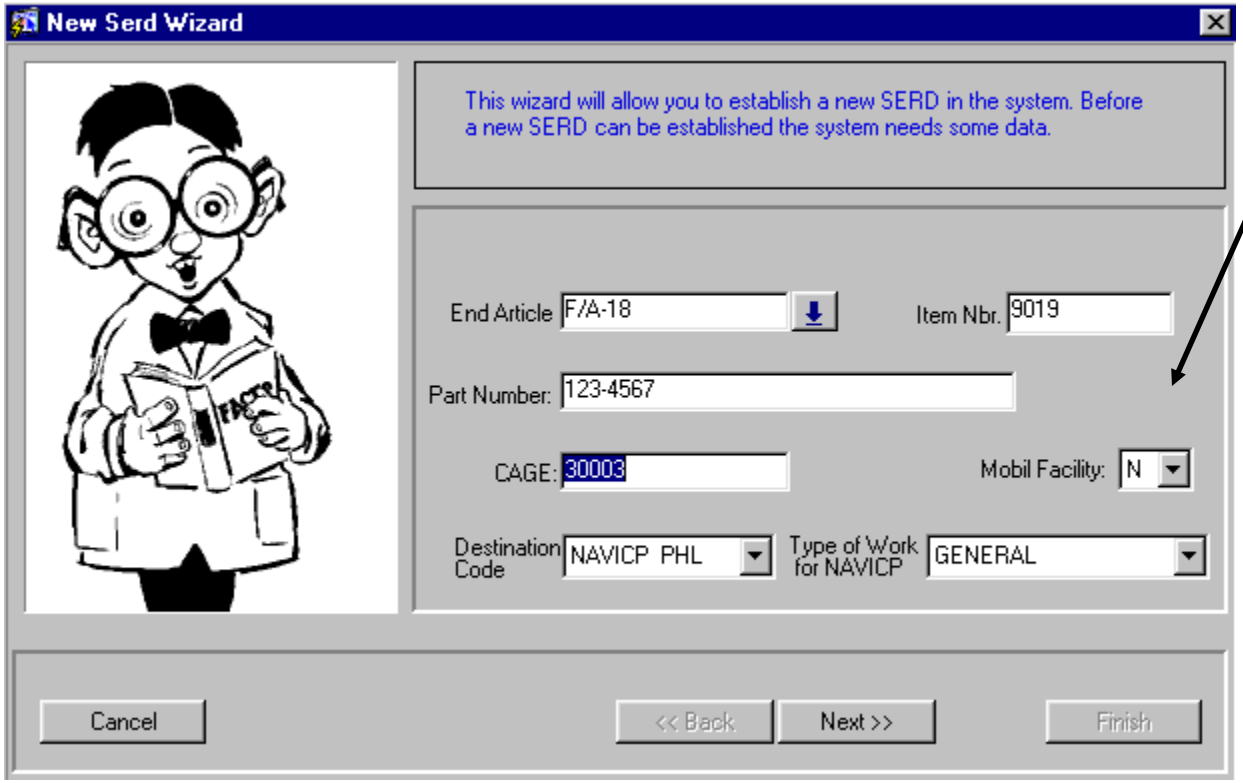
Approval Tab - Display Version



Approval Tab - Update Version

The <u>Approval</u> process in the new AUTOSERD system allows all users to view who currently is in control of a SERD revision or approved the SERD revision. It also shows the date the SERD was approved and the role of the approving user. Any approval records created prior to the resystemization were defaulted to the User Name "AUTOSERD" in the new system. The roles were maintained in the transition.

Features found only through the Wizards



1st New Serd Wizard

References:

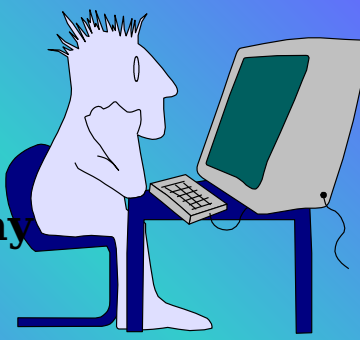
NAVAIRINST 13670.1A, policy and responsibility for management of Mobile Facilities under the cognizance of Naval Air Systems Command.

Ship Parts Control Center (SPCC) is the program support inventory control point for MFS and coordinate MF-Related SERDS.

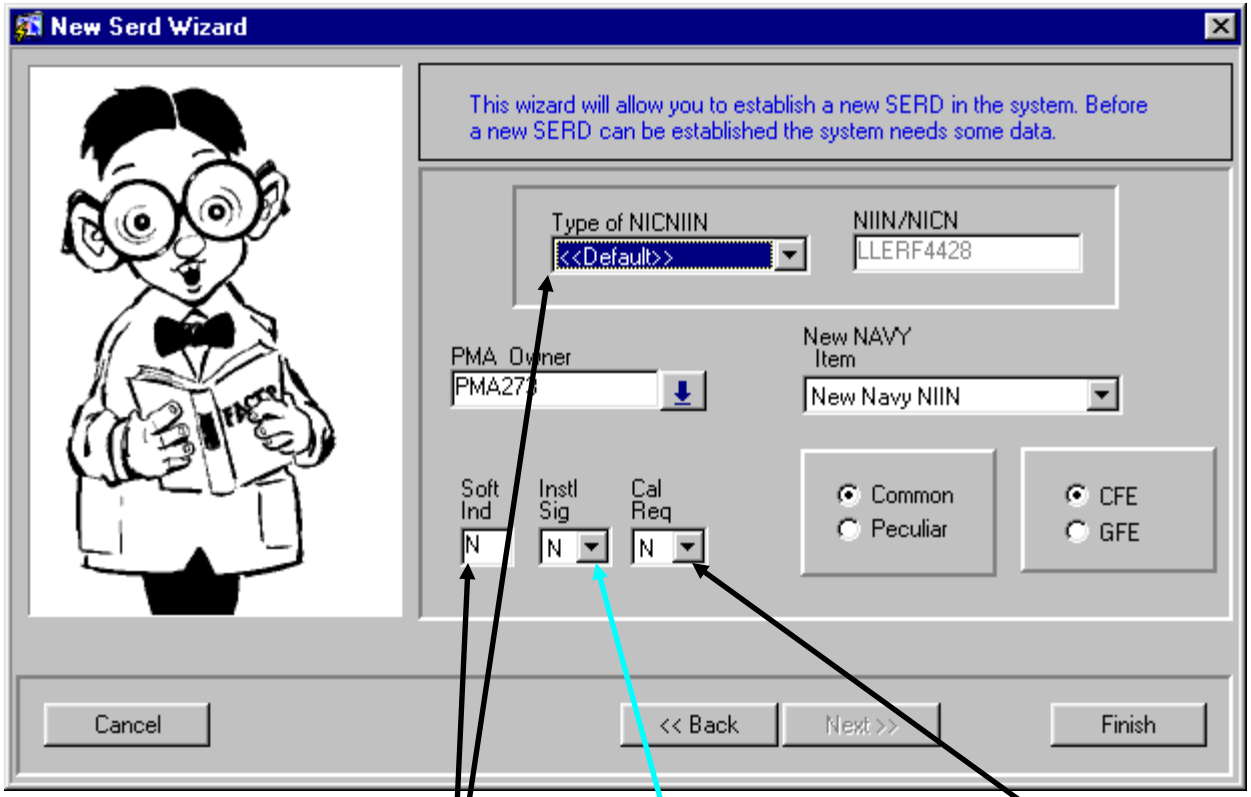
<u>Mobil Facility</u>- This feature can only be selected at the time of creation of the SERD. It identifies physical site requirements for SE End Item. Mobile Facilities (MFS) are environmentally controlled maintenance spaces (VANS).

ARO/LRO must ensure Weight/Space and Service Requirements (Cooling, Air/Water, Pneumatics, etc.) constraints are imposed on SE

Only SERD Users with Update privileges may access the Wizards!

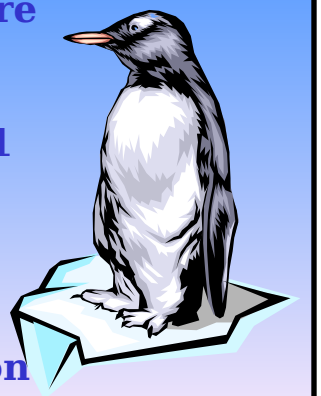


Features found only through the Wizards



2nd New Serd Wizard

All SERD Wizards are launched through the ACQ01 Entry Screen by pressing the pushbuttons across the bottom.

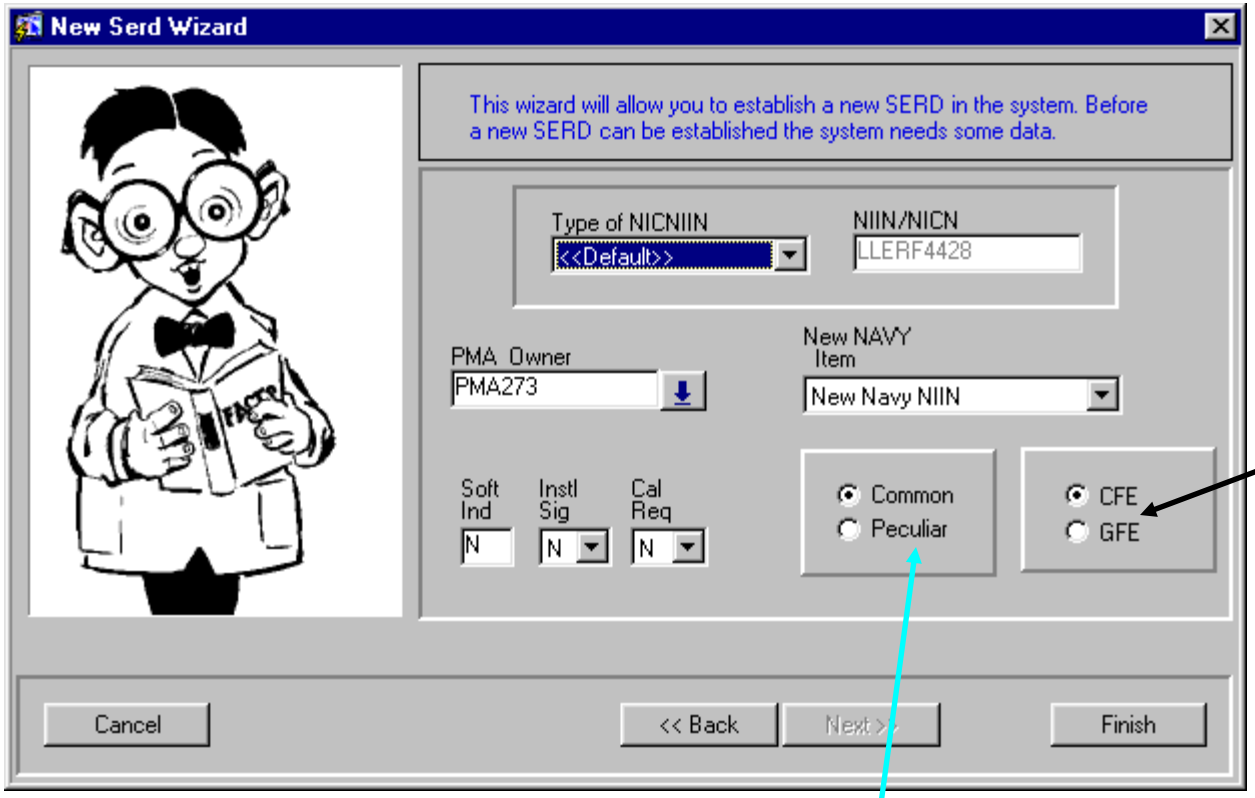


The Software Indicator is automatically determined based on the type of NIIN or NICN selected.

Installation Significant is determined here as well. Once decided here, it may not be modified except by

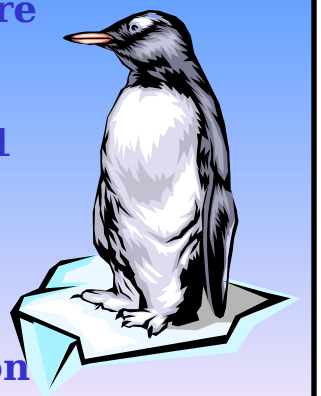
Calibration Required is also determined one time only and may not be modified by anyone except for NAVICP.

Features found only through the Wizards



2nd New Serd Wizard

All SERD Wizards are launched through the ACQ01 Entry Screen by pressing the pushbuttons across the bottom.

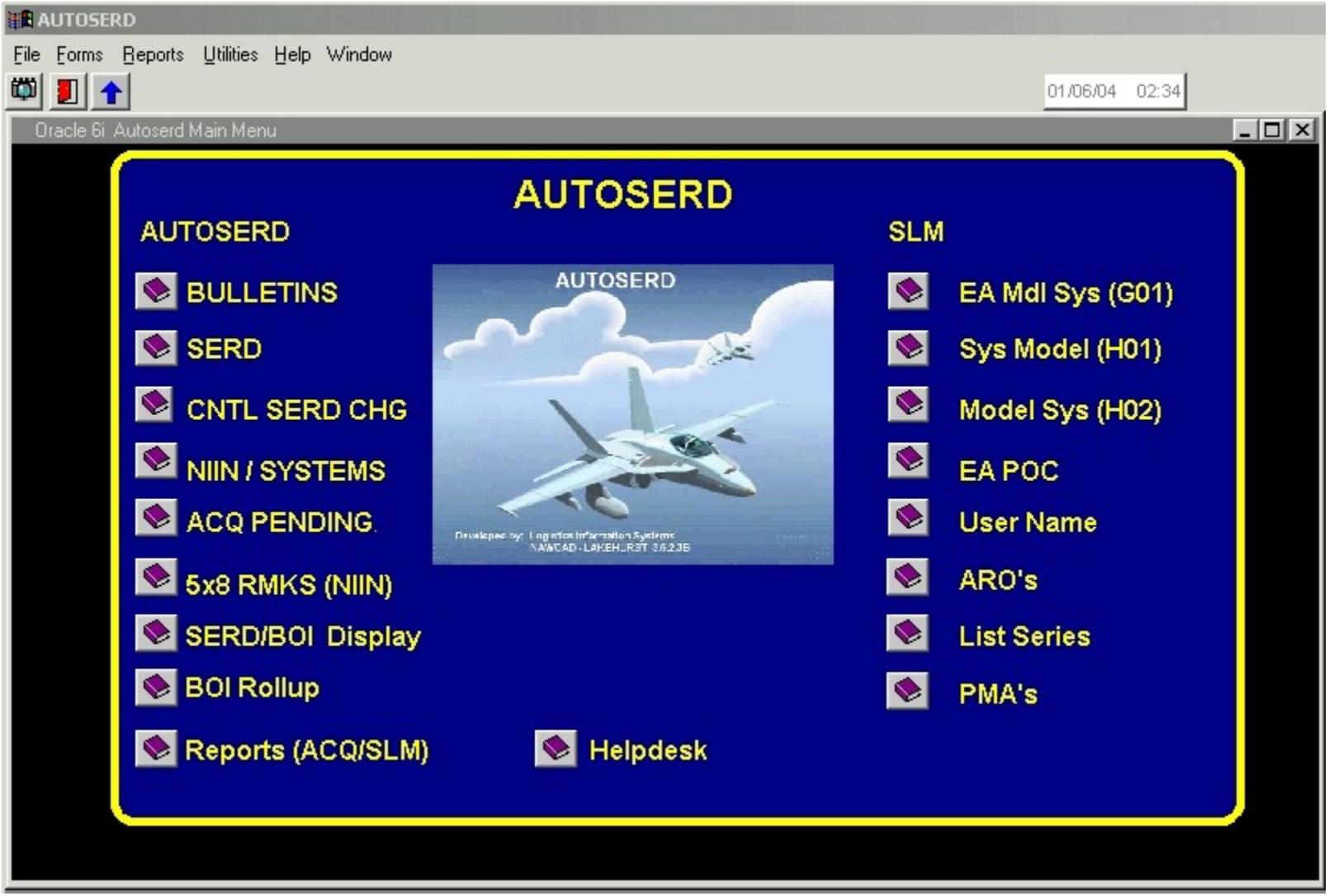


CFE or GFE Indicator, Indicates if the End Item is either Contractor Furnished Equipment or Government Furnished Equipment. It is used to specify the source for the end item of SE. Is the item obtained directly from the contractor or will the item be procured through the DOD supply system.

-- Normally CFE is government-furnished equipment that is available through the DOD supply system.

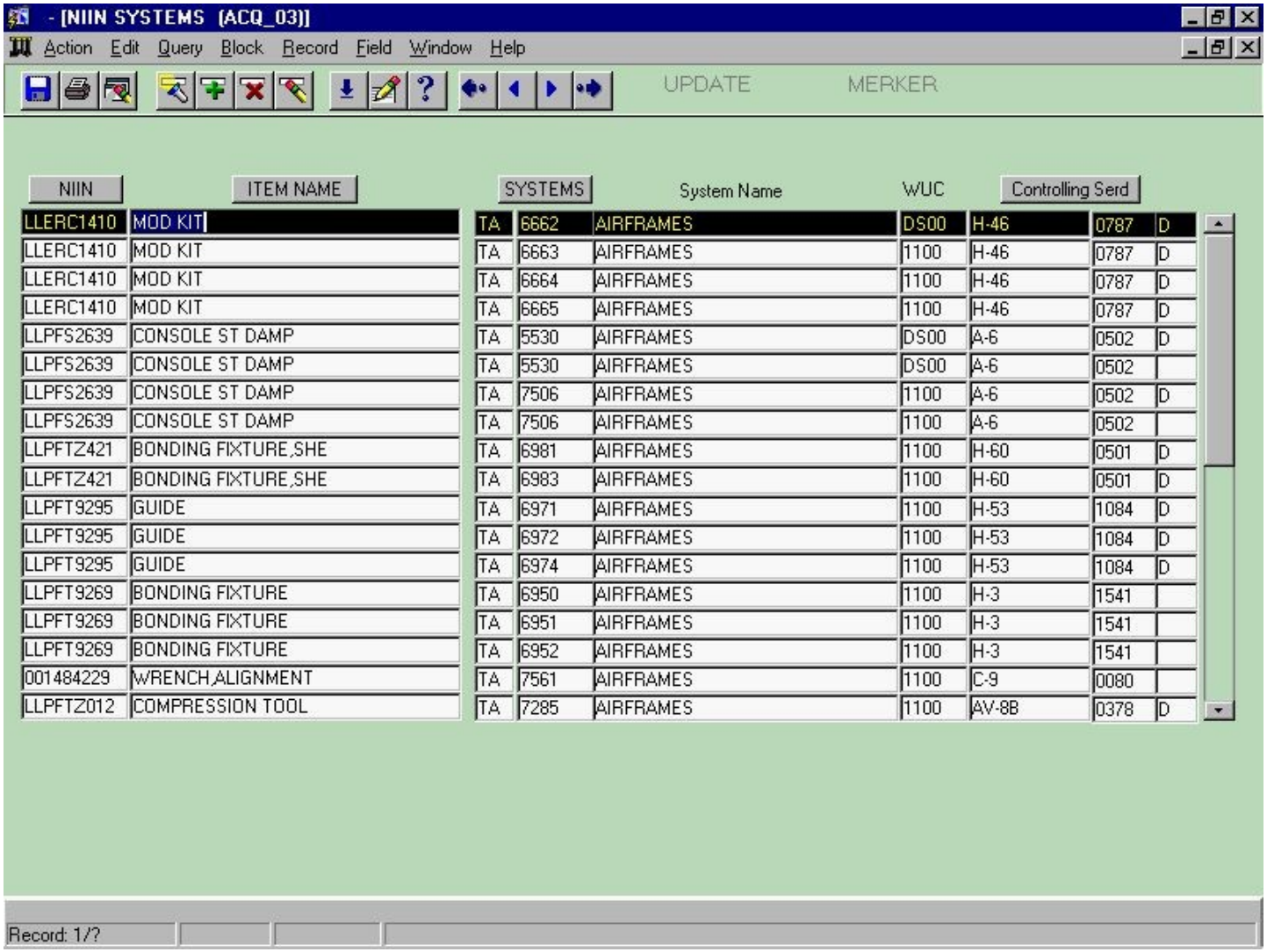
Common or Peculiar: Though shown on the AUTOSERD NIIN Tab, this value may only be determined at the time of SERD creation.

THE AUTOSERD Main Menu



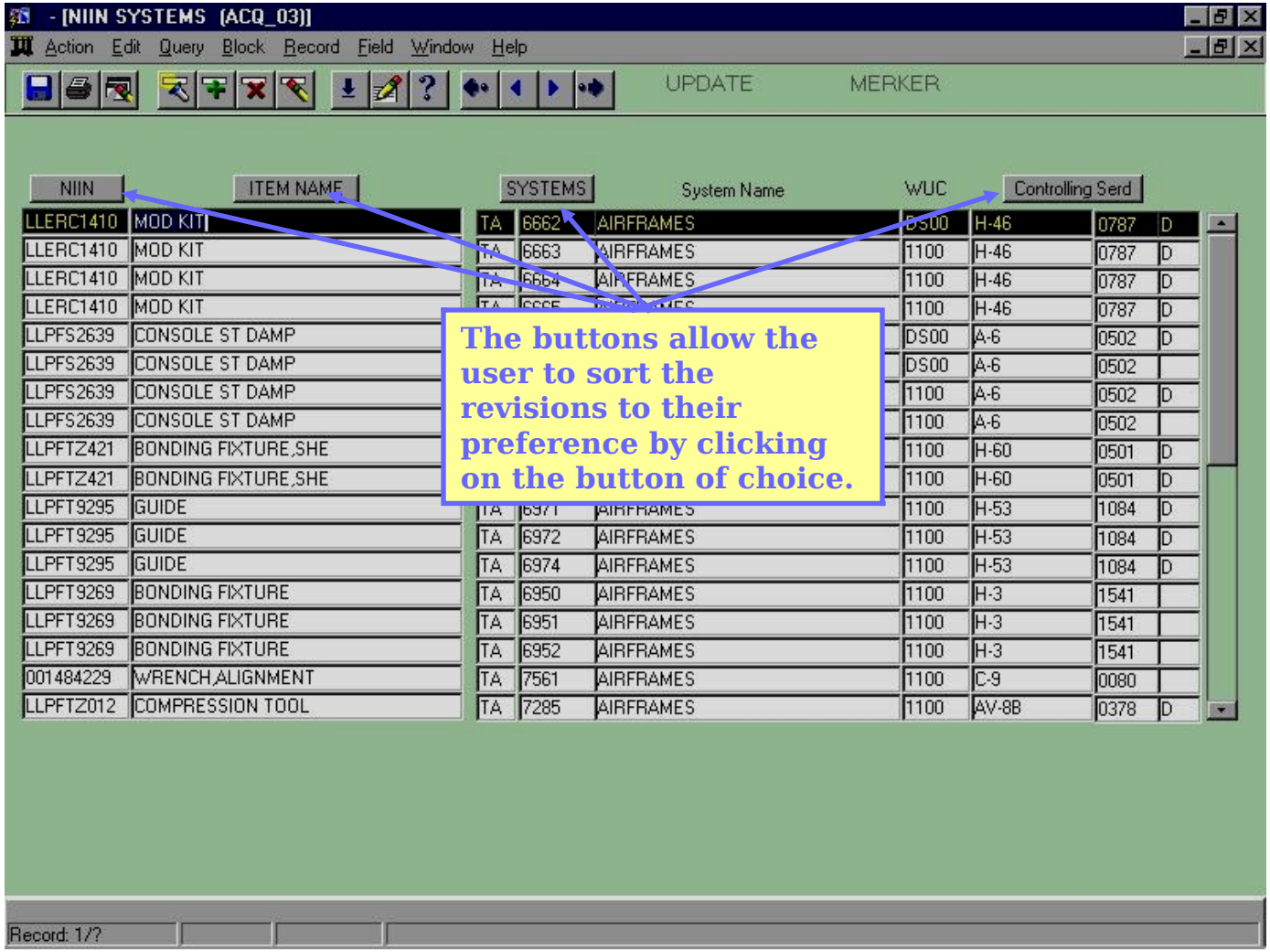
The AUTOSERD Main Screen

ACQ03 - NIIN Systems


- [NIIN SYSTEMS (ACQ_03)]
Action Edit Query Block Record Field Window Help
UPDATE
MERKER
NIIN
ITEM NAME
SYSTEMS
System Name
WUC
Controlling Serd
LLERC1410 MOD KIT TA 6662 AIRFRAMES DS00 H-46 0787 D
LLERC1410 MOD KIT TA 6663 AIRFRAMES 1100 H-46 0787 D
LLERC1410 MOD KIT TA 6664 AIRFRAMES 1100 H-46 0787 D
LLERC1410 MOD KIT TA 6665 AIRFRAMES 1100 H-46 0787 D
LLPFS2639 CONSOLE ST DAMP TA 5530 AIRFRAMES DS00 A-6 0502 D
LLPFS2639 CONSOLE ST DAMP TA 5530 AIRFRAMES DS00 A-6 0502
LLPFS2639 CONSOLE ST DAMP TA 7506 AIRFRAMES 1100 A-6 0502 D
LLPFS2639 CONSOLE ST DAMP TA 7506 AIRFRAMES 1100 A-6 0502
LLPFTZ421 BONDING FIXTURE,SHE TA 6981 AIRFRAMES 1100 H-60 0501 D
LLPFTZ421 BONDING FIXTURE,SHE TA 6983 AIRFRAMES 1100 H-60 0501 D
LLPFT9295 GUIDE TA 6971 AIRFRAMES 1100 H-53 1084 D
LLPFT9295 GUIDE TA 6972 AIRFRAMES 1100 H-53 1084 D
LLPFT9295 GUIDE TA 6974 AIRFRAMES 1100 H-53 1084 D
LLPFT9269 BONDING FIXTURE TA 6950 AIRFRAMES 1100 H-3 1541
LLPFT9269 BONDING FIXTURE TA 6951 AIRFRAMES 1100 H-3 1541
LLPFT9269 BONDING FIXTURE TA 6952 AIRFRAMES 1100 H-3 1541
001484229 WRENCH,ALIGNMENT TA 7561 AIRFRAMES 1100 C-9 0080
LLPFTZ012 COMPRESSION TOOL TA 7285 AIRFRAMES 1100 AV-8B 0378 D
Record: 1/?

Queryable fields on this screen include NIIN, Item Name, Systems or System Name (Any component) and Controlling SERD (any component). When Querying by NIIN, <u>the user may enter up to five NIINs for querying purposes!!</u>

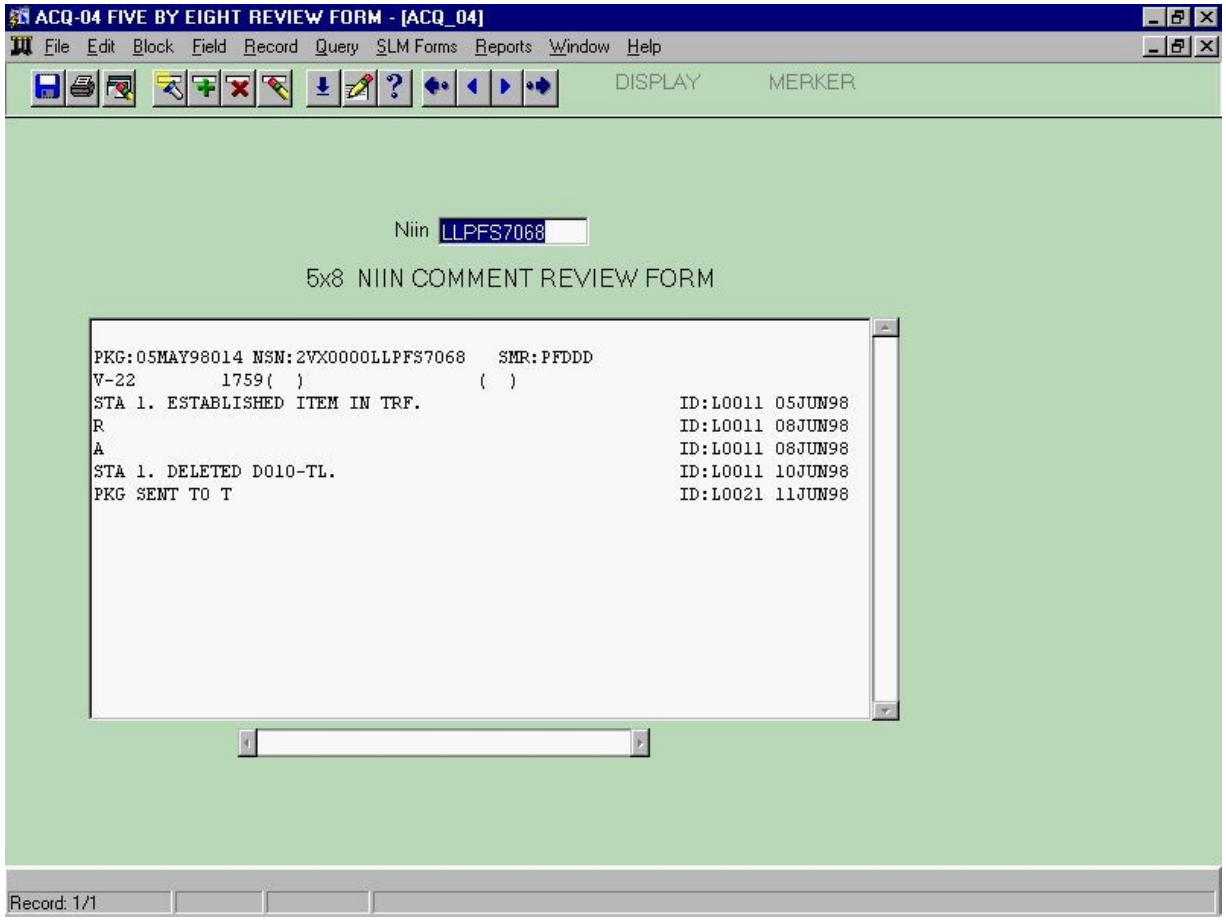
ACQ03 - NIIN Systems


- [NIIN SYSTEMS (ACQ_03)]
Action Edit Query Block Record Field Window Help
UPDATE MERKER
NIIN
ITEM NAME
SYSTEMS
System Name
WUC
Controlling Serd
The buttons allow the user to sort the revisions to their preference by clicking on the button of choice.
Record: 1/?

NIIN	ITEM NAME		SYSTEMS	System Name	WUC	Controlling Serd		
LLERC1410	MOD KIT	TA	6662	AIRFRAMES	DS00	H-46	0787	D
LLERC1410	MOD KIT	TA	6663	AIRFRAMES	1100	H-46	0787	D
LLERC1410	MOD KIT	TA	6664	AIRFRAMES	1100	H-46	0787	D
LLERC1410	MOD KIT	TA	[illegible]	[illegible]	1100	H-46	0787	D
LLPFS2639	CONSOLE ST DAMP	TA	[illegible]	[illegible]	DS00	A-6	0502	D
LLPFS2639	CONSOLE ST DAMP	TA	[illegible]	[illegible]	DS00	A-6	0502	
LLPFS2639	CONSOLE ST DAMP	TA	[illegible]	[illegible]	1100	A-6	0502	D
LLPFS2639	CONSOLE ST DAMP	TA	[illegible]	[illegible]	1100	A-6	0502	
LLPFTZ421	BONDING FIXTURE,SHE	TA	[illegible]	[illegible]	1100	H-60	0501	D
LLPFTZ421	BONDING FIXTURE,SHE	TA	[illegible]	[illegible]	1100	H-60	0501	D
LLPFT9295	GUIDE	TA	6971	AIRFRAMES	1100	H-53	1084	D
LLPFT9295	GUIDE	TA	6972	AIRFRAMES	1100	H-53	1084	D
LLPFT9295	GUIDE	TA	6974	AIRFRAMES	1100	H-53	1084	D
LLPFT9269	BONDING FIXTURE	TA	6950	AIRFRAMES	1100	H-3	1541	
LLPFT9269	BONDING FIXTURE	TA	6951	AIRFRAMES	1100	H-3	1541	
LLPFT9269	BONDING FIXTURE	TA	6952	AIRFRAMES	1100	H-3	1541	
001484229	WRENCH,ALIGNMENT	TA	7561	AIRFRAMES	1100	C-9	0080	
LLPFTZ012	COMPRESSION TOOL	TA	7285	AIRFRAMES	1100	AV-8B	0378	D

The NIIN/SYSTEMS (ACQ03) Screen allows users to cross-reference all Systems by List Code, System Name, NIIN and Controlling SERD. No modifications may be made through the screen.

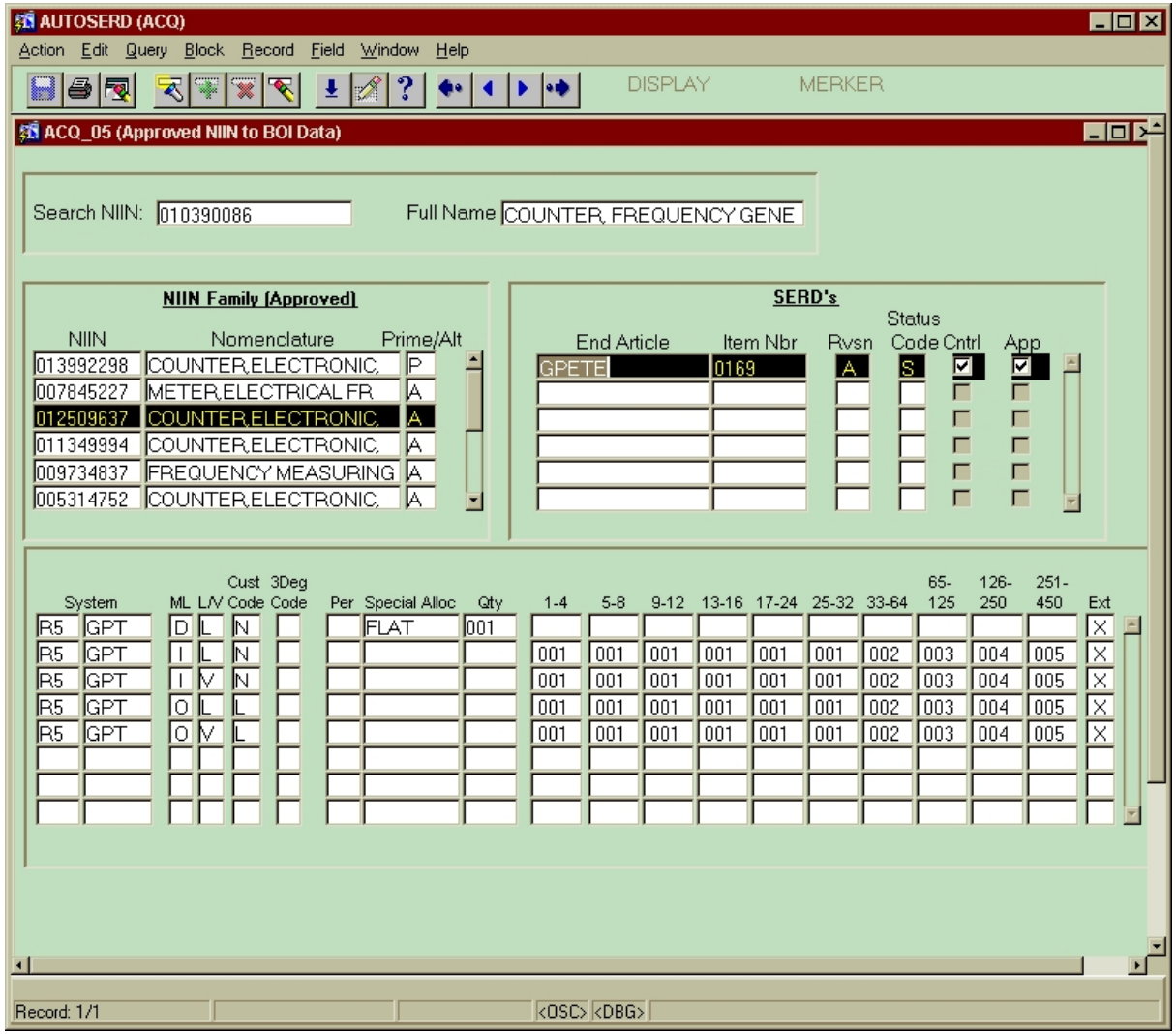
ACQ04 - 5x8 NIIN Comment Review


ACQ-04 FIVE BY EIGHT REVIEW FORM - [ACQ_04]
File Edit Block Field Record Query SLM Forms Reports Window Help
DISPLAY
MERKER
Niin LLPFS7068
5x8 NIIN COMMENT REVIEW FORM
PKG:05MAY98014 NSN:2VX0000LLPFS7068 SMR:PFDDD
V-22 1759( ) ( )
STA 1. ESTABLISHED ITEM IN TRF. ID:L0011 05JUN98
R ID:L0011 08JUN98
A ID:L0011 08JUN98
STA 1. DELETED D010-TL. ID:L0011 10JUN98
PKG SENT TO T ID:L0021 11JUN98
Record: 1/1

5 x 8 Comments are NIIN-specific, not SERD specific. All SERDS under a NIIN will have the same 5 x 8 comments.

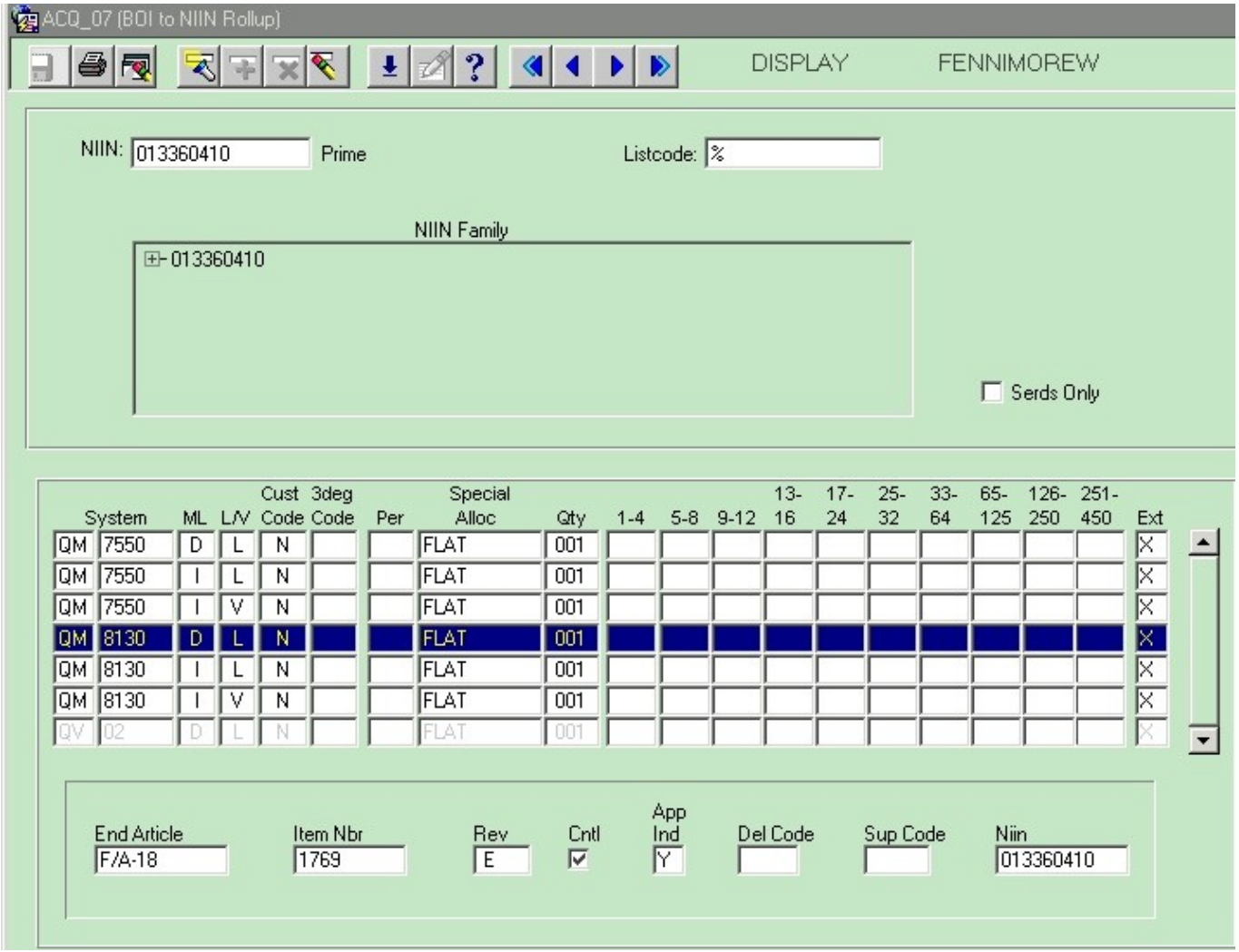
This screen, launched from the ACQ Main Menu, allows you to enter a NIIN into the NIIN field and retrieve all 5x8 comments against it.

ACQ05 - NIIN BOI Comparison


AUTOSERD (ACQ)
Action Edit Query Block Record Field Window Help
DISPLAY MERKER
ACQ_05 (Approved NIIN to BOI Data)
Search NIIN: 010390086
Full Name COUNTER, FREQUENCY GENE
NIIN Family (Approved)
NIIN Nomenclature Prime/Alt
013992298 COUNTER,ELECTRONIC, P
007845227 METER,ELECTRICAL FR A
012509637 COUNTER,ELECTRONIC, A
011349994 COUNTER,ELECTRONIC, A
009734837 FREQUENCY MEASURING A
005314752 COUNTER,ELECTRONIC, A
SERD's
End Article Item Nbr Rvsn Status Code Cntrl App
GPETE 0169 A S
System ML L/V Cust Code 3Deg Code Per Special Alloc Qty 1-4 5-8 9-12 13-16 17-24 25-32 33-64 65-125 126-250 251-450 Ext
R5 GPT D L N FLAT 001
R5 GPT I L N 001 001 001 001 001 001 002 003 004 005
R5 GPT I V N 001 001 001 001 001 001 002 003 004 005
R5 GPT O L L 001 001 001 001 001 001 002 003 004 005
R5 GPT O V L 001 001 001 001 001 001 002 003 004 005
Record: 1/1
<OSC> <DBG>

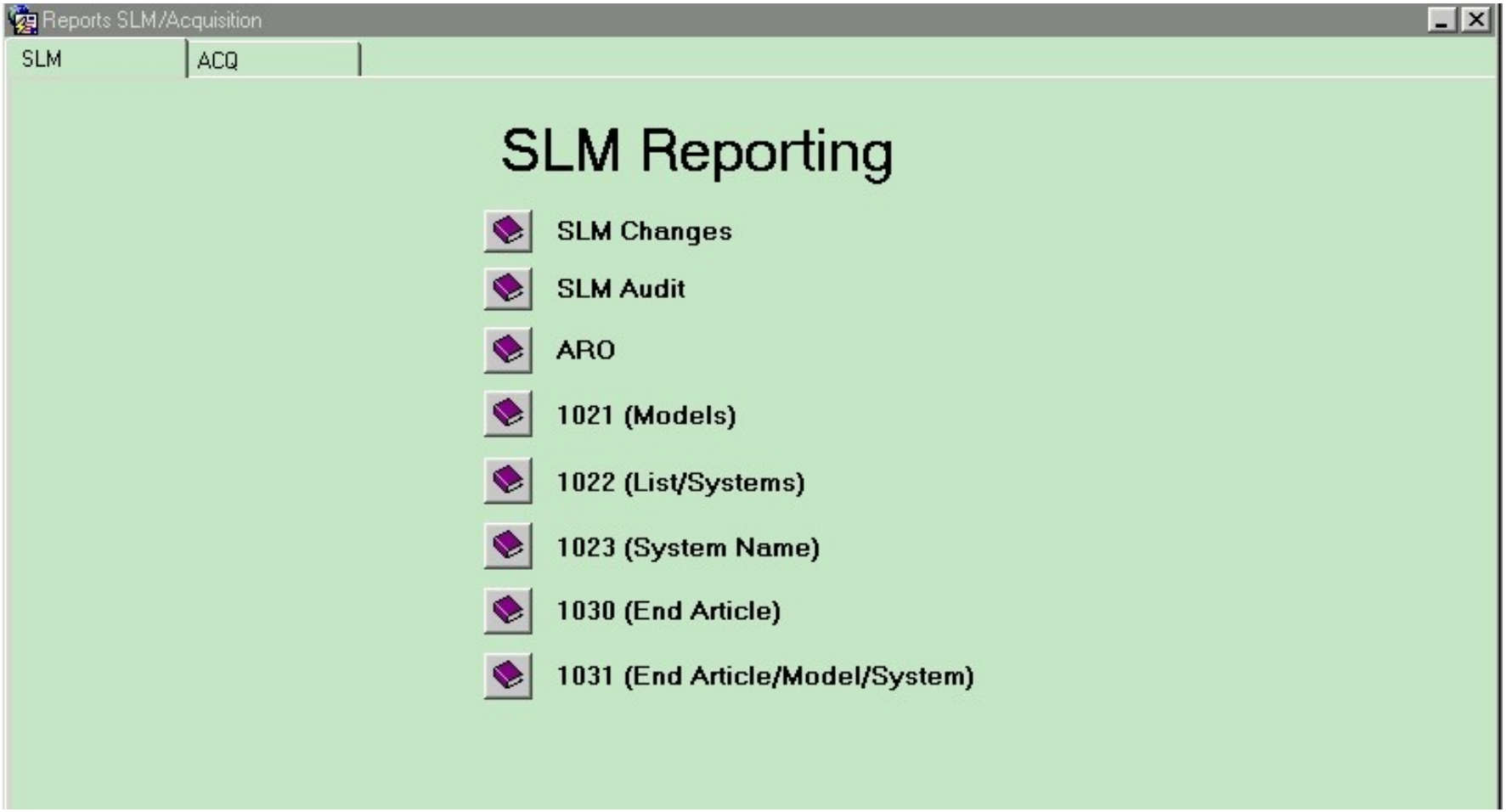
New Query Only Screen which subdivides by section. The screen shows the entire family of NIIN's related to the queried NIIN. The highlighted NIIN in the NIIN Family list shows all SERDs attached to that NIIN. The highlighted SERD shows all systems/allowances it is attached to in the lower table.

ACQ07 – BOI to NIIN Rollup


ACQ_07 (BOI to NIIN Rollup)
DISPLAY
FENNIMOREW
NIIN: 013360410
Prime
Listcode: %
NIIN Family
013360410
Serds Only
System ML L/V Cust Code 3deg Code Per Special Alloc Qty 1-4 5-8 9-12 13-16 17-24 25-32 33-64 65-125 126-250 251-450 Ext
QM 7550 D L N FLAT 001
QM 7550 I L N FLAT 001
QM 7550 I V N FLAT 001
QM 8130 D L N FLAT 001
QM 8130 I L N FLAT 001
QM 8130 I V N FLAT 001
QV 02 D L N FLAT 001
End Article F/A-18
Item Nbr 1769
Rev E
Cntl
App Ind Y
Del Code
Sup Code
Niin 013360410

New Query Only Screen which displays the NIIN family and a summary of all the BOIs from all SERDs tied to that family. The highlighted BOI shows the SERD it is attached to in the lower table.

Report screen – SLM tab



Report screen – SLM tab with the various reports you can request. The next few pages show samples of the outputs from these reports. Note: These are displaying the same data available via SLM screens, just in a Adobe .pdf format.

SLM Changes – Sample Report

SLM_CHANGES

RECORDS TO BE APPROVED BY SLM MANAGER

FENNIMOREW

MODEL	PREFIX	SYSTEM	SYSTEMNAME	DELETE	DATE CREATED	CREATED BY	DATE MODIFIED	USER MODIFIED
A-7E	TE	4611	TF41A2/2A/2B&TF41	Y	26-JAN-99	SERD_OWNER	23-FEB-04	BRITTF
A-7EZGR	TE	4611	TF41A2/2A/2B&TF41	N	04-DEC-02	MILLERGF	23-FEB-04	BRITTF
A-7EZTH	TE	4611	TF41A2/2A/2B&TF41	N	04-DEC-02	MILLERGF	23-FEB-04	BRITTF
ANAPN70B	R5	049	ANAPN70B	N	26-JAN-99	SERD_OWNER	20-FEB-04	SEVASTAP
ANAPN70B	R5	049V	ANAPN70B	Y	26-JAN-99	SERD_OWNER	20-FEB-04	SEVASTAP
ANAPN70B	R5	049X	ANAPN70B	Y	26-JAN-99	SERD_OWNER	20-FEB-04	SEVASTAP
BQM34RTS	G0	010	ACCOUNTABLE CO	N	18-FEB-04	LOVETTSA		
BQM34RTS	TA	0101	AIRFRAMES	N	18-FEB-04	LOVETTSA	18-FEB-04	LOVETTSA
E-2CZFR	QC	5420	ANAYK14	Y	26-JAN-99	SERD_OWNER	28-OCT-02	WADED
E-2TZTW	QC	5420	ANAYK14	Y	26-JAN-99	SERD_OWNER	28-OCT-02	WADED
EA-7L	TE	4611	TF41A2/2A/2B&TF41	Y	26-JAN-99	SERD_OWNER	23-FEB-04	BRITTF
KC-130F	R5	A16	ANALE47	N	23-FEB-04	SHOEMAKERES		
KC-130R	R5	A16	ANALE47	N	23-FEB-04	SHOEMAKERES		
KC-130T	R5	A16	ANALE47	N	23-FEB-04	SHOEMAKERES		
SH-2F	R5	159A	ANAKT22V	Y	26-JAN-99	SERD_OWNER	07-AUG-03	SEVASTAP

This report is used by the SLM manager to identify pending workload for the SLM Manager.

SLM Audit – Sample Report

Run Date: 23-02-04 14:37
User Name FENNIMOREW
RUN BY DATE OR BY SYSTEM NBR

Start Date: **********
End Date: **********
List Code: ALL

SLM Systems Audit Report

Systems Modification

System	System Name	Mod Model	Date Created	Created By
R5C15	ANAYK22	F/A-18F25	08-AUG-03	SEVASTAP
		F/A-18F26	26-SEP-03	SEVASTAP
R5C16	ID2547A	F/A-18E21	08-AUG-03	SEVASTAP
		F/A-18E22	08-AUG-03	SEVASTAP
		F/A-18E23	08-AUG-03	SEVASTAP
		F/A-18E24	08-AUG-03	SEVASTAP
		F/A-18E25	08-AUG-03	SEVASTAP
		F/A-18E26	26-SEP-03	SEVASTAP
		F/A-18F21	08-AUG-03	SEVASTAP
		F/A-18F22	08-AUG-03	SEVASTAP
		F/A-18F23	08-AUG-03	SEVASTAP
		F/A-18F24	08-AUG-03	SEVASTAP
		F/A-18F25	08-AUG-03	SEVASTAP
		F/A-18F26	26-SEP-03	SEVASTAP
R5C17	ANAAR55	F/A-18E21	08-AUG-03	SEVASTAP
		F/A-18E22	08-AUG-03	SEVASTAP

This report is used by the SLM manager to identify completed workload or to research when a SLM change was performed.

SLM ARO – Sample Report

ARO Name	ARO Code
CHPT	01405

End Article
GFER5B43
H-46

ARO Name	ARO Code
CHPT	03222

End Article
H-53
T64

ARO Name	ARO Code
NAEC	3623

End Article
C-40
F-37

ARO Name	ARO Code
NAEC	4851

End Article
250
A-3
A-4
A-7

ARO Name	ARO Code
NAEC	4851

End Article
H-57
J57
J60
J65
J79
JFS100
JT8
MF
NACES
OV-10
PT6
R1820
R2800
RQ-8A
T-2
T-34
T-38
T-39
T-44
T-6
T53
T76

This report is used to identify AROs “owned” by ARO sequence.

SLM 1021 Models – Sample Report

FENNIMOREW

MODELS to LIST SYSTEM

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23-FEB-04

MODI	MODE CLASS CO	END ARTICL	END ARTICLE CLASS CO	END ARTICL CFE/GF		QT'	DELLETE
	LIST/SYSTE	GFI	DEPLOYAI	WU	REMARK		
	SYSTEM DESCRIP				SYSTEM NAMF		
F/A-18E	A	F/A-18	A	C	FUNDED		
	R5C93		Y	57DA1	WUC 57DA1 PART NO. 111E9359G1O1	1	N
	FCC, PART OF ROLL-PITCH -YAW COMPUTER				FLIGHT CONTROL COMPTER CP-24O4		
	R5C94		Y	73X4K	WUC 73X4K PART NO. 138200-29	1	N
	UFCD, PART OF ADVANCED MISSION COMPUTERS				UP FRONT CONTROL DISPLAY		
	R5DO3	G	Y	56X31	MAG AZIMUTH DETECTOR	1	N
	MAG AZIMUTH DETECTOR				DT604A		
	R5DO7	G		631T	WUC 631T MULTI-FUNCTION INFO DISTRIB SYS	1	N
	MULTI-FUNCTION INFORMATION DISTRIB SYS				ANUSQ14O		
	R5DO7-A	G		631T	WUC 631T MULTI-FUNCTION INFO DISTRIB	1	N
	MULTI-FUNCTION INFORMATION DISTRIB SYS				ANUSQ14O		
	R5DO9			768T	WUC 768T ANALE55 IDECM CNTRMSRS SYS	1	N
	IDECM COUNTERMEASURE SYST				ANALE55		

This report is used to identify all list codes tied to a model.

Note: In this example the F/A-18E model was used and produced a 52 page report.

SLM 1022 Models – Sample Report

FENNIMOREW

LIST/SYSTEM TO MODEL CROSS REFERENCE

LIST/SYSTEM	CFE/GFE	DEPLOYABLE	WUC	SYSTEM NAME	SYSTEM DESCRIPTION
MODEL	REMARKS			QTY	
R5C93		Y	57DA1	FLIGHT CONTROL COMPTER CP-2404	FCC, PART OF ROLL-PITCH -YAW COMPUTER
F/A-18E	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18E21	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18E22	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18E23	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18E24	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18E25	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F21	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F22	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F23	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F24	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F25	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18E26	WUC 57DA1 PART NO. 111E9359G101			1	
F/A-18F26	WUC 57DA1 PART NO. 111E9359G101			1	

This report is used to identify all Models tied to a List/System.

Note: In this example the List/System R5C93 was used and produced a 3 page report.

SLM 1023 Name to List/System – Sample Report

FENNIMOREW

NAME TO LIST/SYSTEM CROSS-REFERENCE

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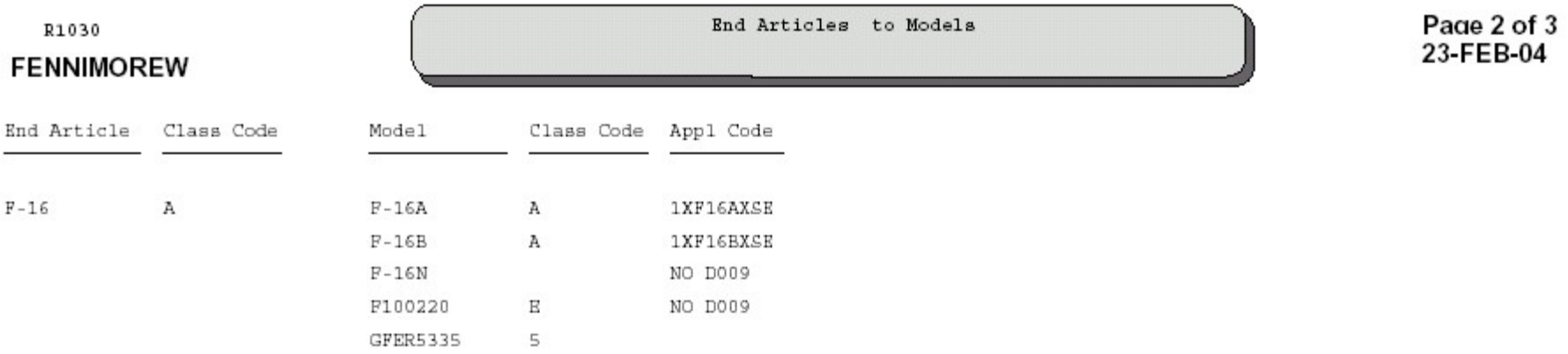
SYSTEM NAME	SYSTEM DESCRIPTION	WUC	LIST/SYSTEM	GFE	DEPLOYABLE
ANAPS(V) BASIC E-2C RADAR	ADVANCED RADAR PROCESSING SYSTEM	726D	R5308		
ANAPS115V	RADAR-SEARCH	726A	R5805	G	
			R5805-V	G	
			R5805-X	G	
ANAPS116/134	RADAR SEARCH SET	727H	R5819	G	
			R5819-A	G	
			R5819-B	G	
ANAPS120	RADAR-AEW	DS00	R5346		
ANAPS121	RADAR WEATHER	726N	R5415	G	
ANAPS124	RADAR SET SH60B LAMPS MARK III	726Q	R5466		
ANAPS125	ARPS RADAR PROCESSING SYSTEM	726P	R5308-A		
ANAPS130	RADAR SET	726L	R5461		
ANAPS133V	AIRBORNE WEATHER RADAR SYSTEM	726L0	R5056-A	G	
			R5056-B	G	
	RADAR SET	726L0	R5056	G	
ANAPS137(V)	RADAR SET	726R	R5435	G	
			R5435-A	G	
			R5435-B	G	
			R5435-C	G	
ANAPS137V	RADAR SET	726R0	R5435-D	G	
ANAPS138	TRAC-A RADAR PROCESSING SYSTEM	726P	R5188		
ANAPS139	UPDATE I RADAR PROCESSING SYSTEM	726S	R5501		
ANAPS145	UPDATE II RADAR PROCESSING SYSTEM	726V	R5652		
ANAPS147	SE FOR MULTI-MODE RADAR	727J	R5D25		
ANAPS20E	RADAR AEW	72640	R5055	G	
			R5055-A	G	

This report is used to identify all System Names with their description, WUC, List/System, GFE/CFE indicator and deployable Indicator.

Note: In this example, a 443 page report was generated. (Recommend using ACQ_ACCESS to generate a dataset to obtain the same info!)

SLM 1030 End Articles to Models – Sample Report



R1030

FENNIMOREW

End Articles to Models

Page 2 of 3
23-FEB-04

End Article	Class Code	Model	Class Code	Appl Code
F-16	A	F-16A	A	1XF16AXSE
		F-16B	A	1XF16BXSE
		F-16N		NO D009
		P100220	E	NO D009
		GFER5335	5	

This report is used to identify all Models tied to an End Article.

Note: I selected the F-16 because I knew it had only a couple of models.

SLM 1031 End Articles to Models – Sample

FENNIMOREW

END ARTICLE to MODEL

23-FEB-04

END ARTICLE

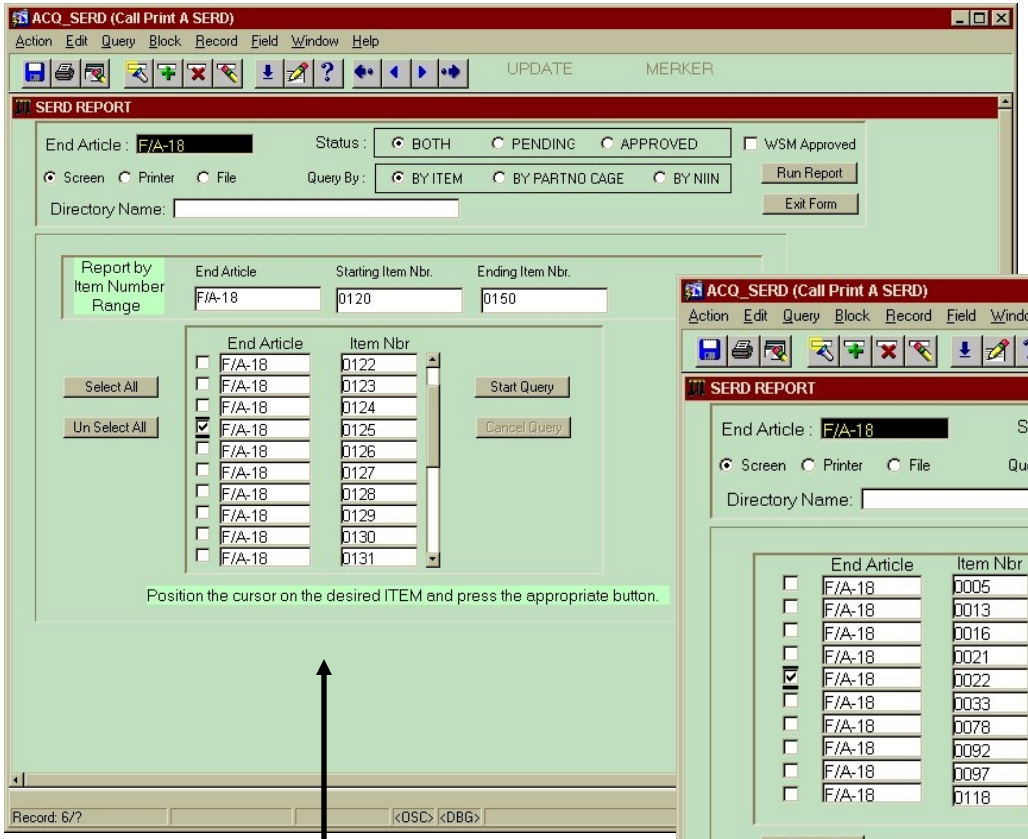
MODEL	CLASS CODE	STATUS CODE

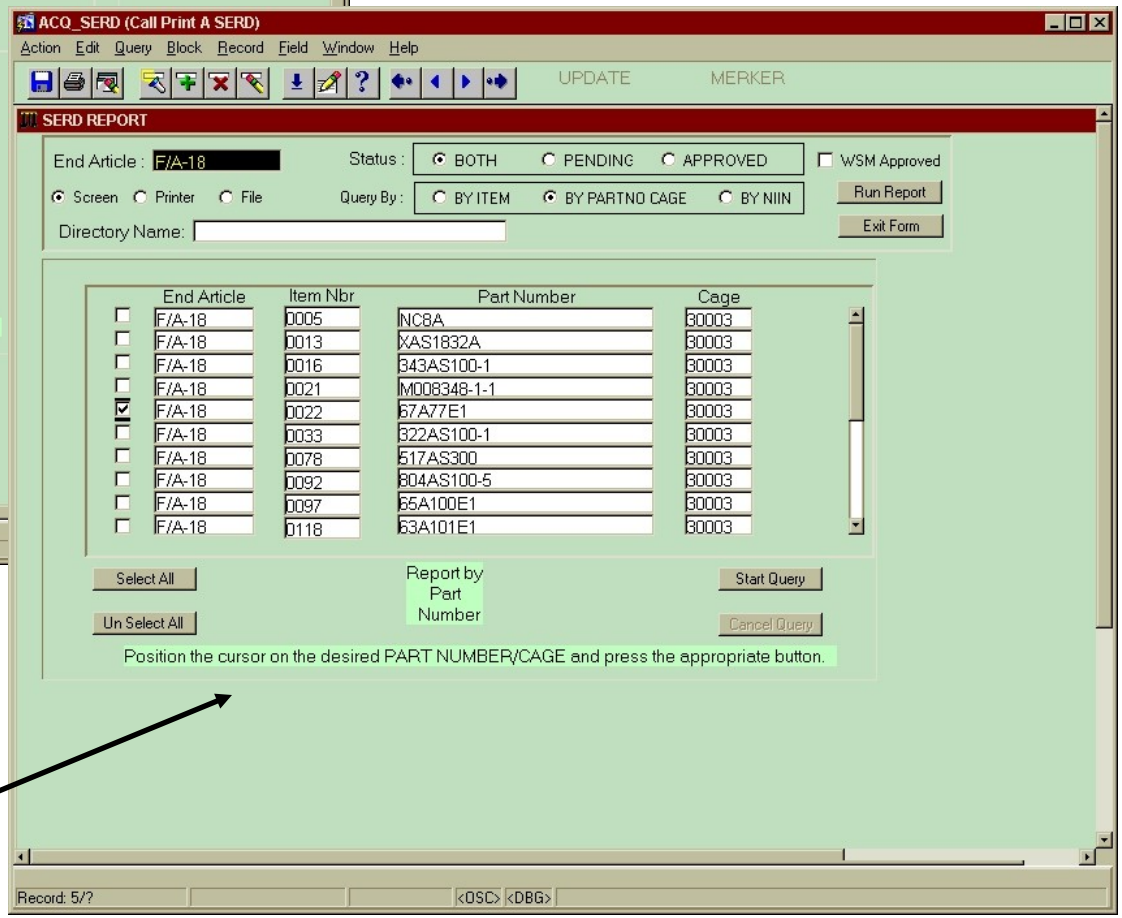
LIST CODE	SYSTEM NAME	SYSTEM DESCRIPTION	REMARKS	QTY	WUC	DELETE
F-16						
F-16A	A	FUNDED				
G0826	ACCOUNTABLE COMMON SE	SE COMMON TO F-16 ACFT MODELS		1	1100	N
G0826-0	ACCOUNTABLE COMMON SE	SE COMMON TO F-16A/B	WUC 1100 SE COMMON TO F-16A/B ONLY	1	1100	N
G0826-1	ACCOUNTABLE COMMON SE	SE COMMON TO F-16A		1	1100	N
R5029	ANAPX101V	AIMS TRANSPONDER SYSTEM	WUC 653C0 ANAPX101V AIMS TRANSPONDER SYS	1	653C0	N
R5335	AVIONICS SE	F-16A/B AVIONICS SE	WUC 1100 F-16A/B AVIONICS SE	1	1100	N
R5532	ANARC186	VHF COMMUNICATION RADIO	WUC 621R0 ANARC186 VHF COMM RADIO	1	621R	N
R5686	AITS	AVIONICS INTEGRATED TRANSMSN SYS (AITS)	WUC 4200 AVIONICS INTEGRTD TRANSMSN SYS	1	4200	N
R5749	ANARN118	TACAN	WUC 713V ANARN118 TACAN	1	713V	N
R5B80	ANAPG66	RADAR SET	SE FOR ANAPG66 RADAR SET	1	7400	N
TA826-0	AIRFRAMES	SE FOR F-16A/B		1	1100	N
TE826	F100220	TURBOSFAN ENGINE FOR F-16A/B	WUC 1100 F100220 ENGINE FOR F-16A/B	1	1100	N
F-16B	A	FUNDED				
G0826	ACCOUNTABLE COMMON SE	SE COMMON TO F-16 ACFT MODELS		1	1100	N
G0826-0	ACCOUNTABLE COMMON SE	SE COMMON TO F-16A/B	WUC 1100 SE COMMON TO F-16A/B ONLY	1	1100	N
G0826-2	ACCOUNTABLE COMMON SE	SE COMMON TO F-16B		1	11OO	N
R5029	ANAPX101V	AIMS TRANSPONDER SYSTEM	WUC 653C0 ANAPX101V AIMS TRANSPONDER SYS	1	653C0	N
R5335	AVIONICS SE	F-16A/B AVIONICS SE	WUC 1100 F-16A/B AVIONICS SE	1	1100	N
R5532	ANARC186	VHF COMMUNICATION RADIO	WUC 621R0 ANARC186 VHF COMM RADIO	1	621R	N

This report is used to identify all Models and their associated List/Systems tied to an End Article. Note: I selected the F-16 because I knew it had only a couple of models.

AUTOSERD PRINT A SERD REPORT

Parameter Screens

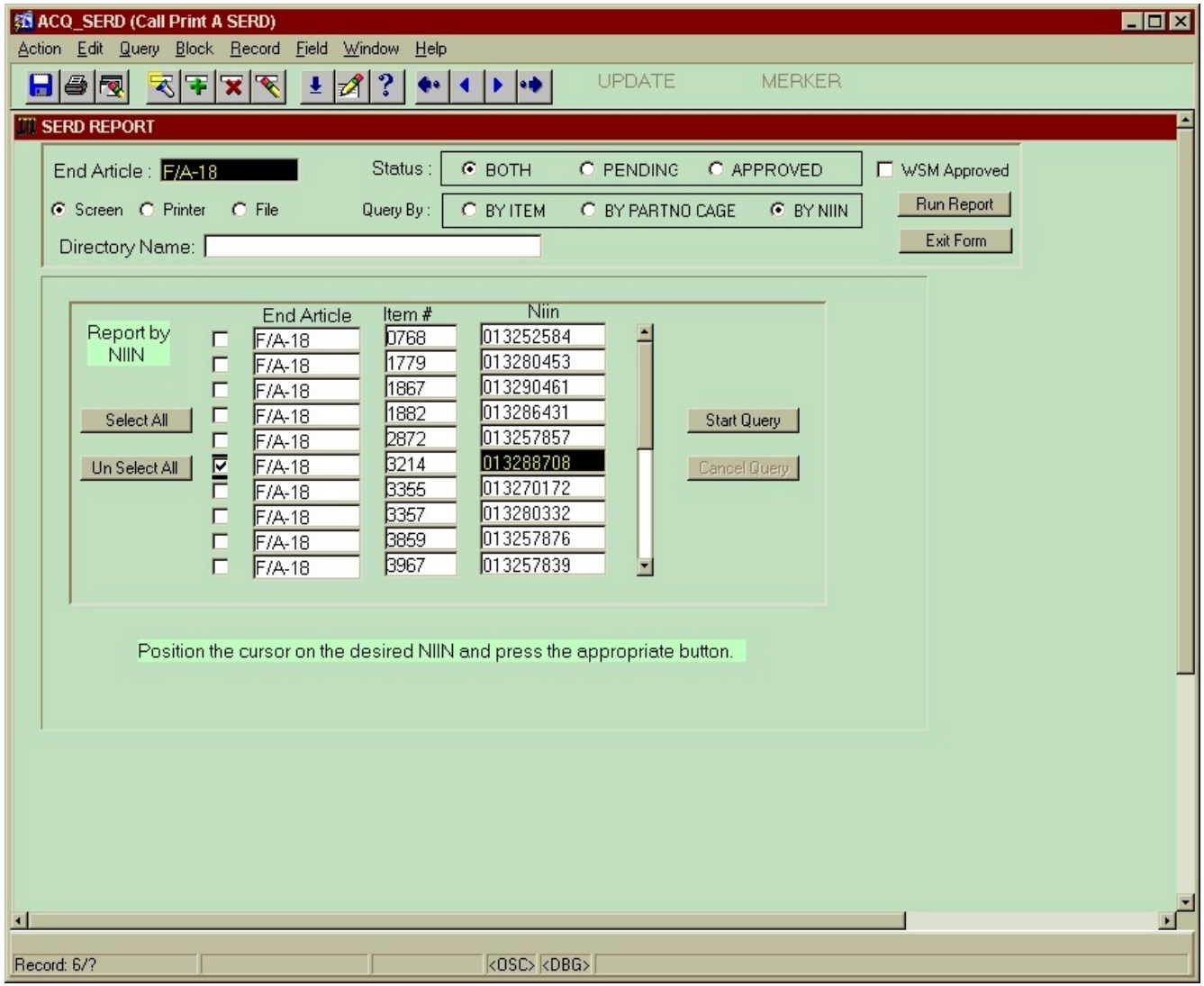




Item Number Sort

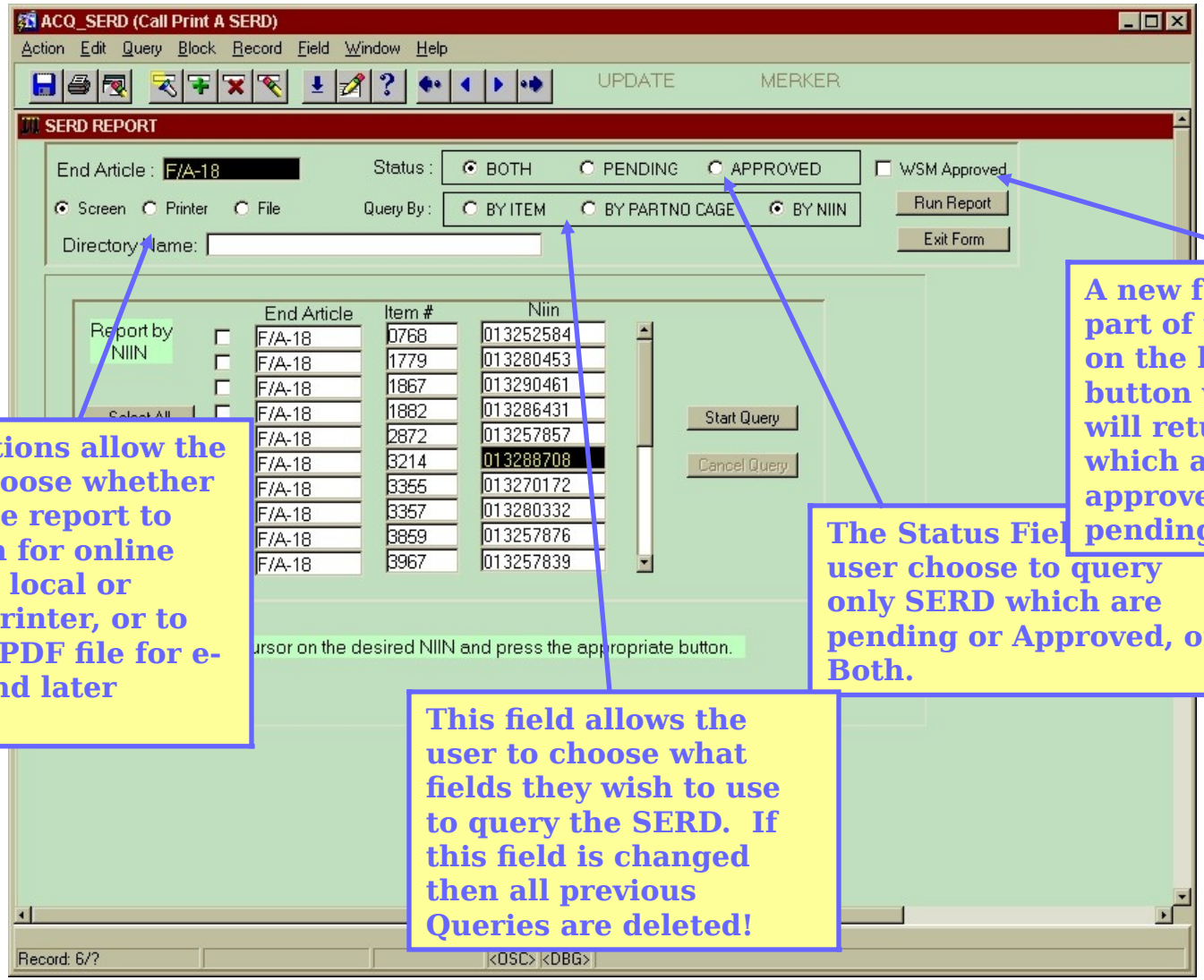
Part Number/CAGE Sort

AUTOSERD PRINT A SERD REPORT



Print Serd Call Form - NIIN Sort

AUTOSERD PRINT A SERD REPORT



The selections allow the user to choose whether to send the report to the screen for online viewing, a local or network printer, or to an Adobe PDF file for e-mailing and later viewing.

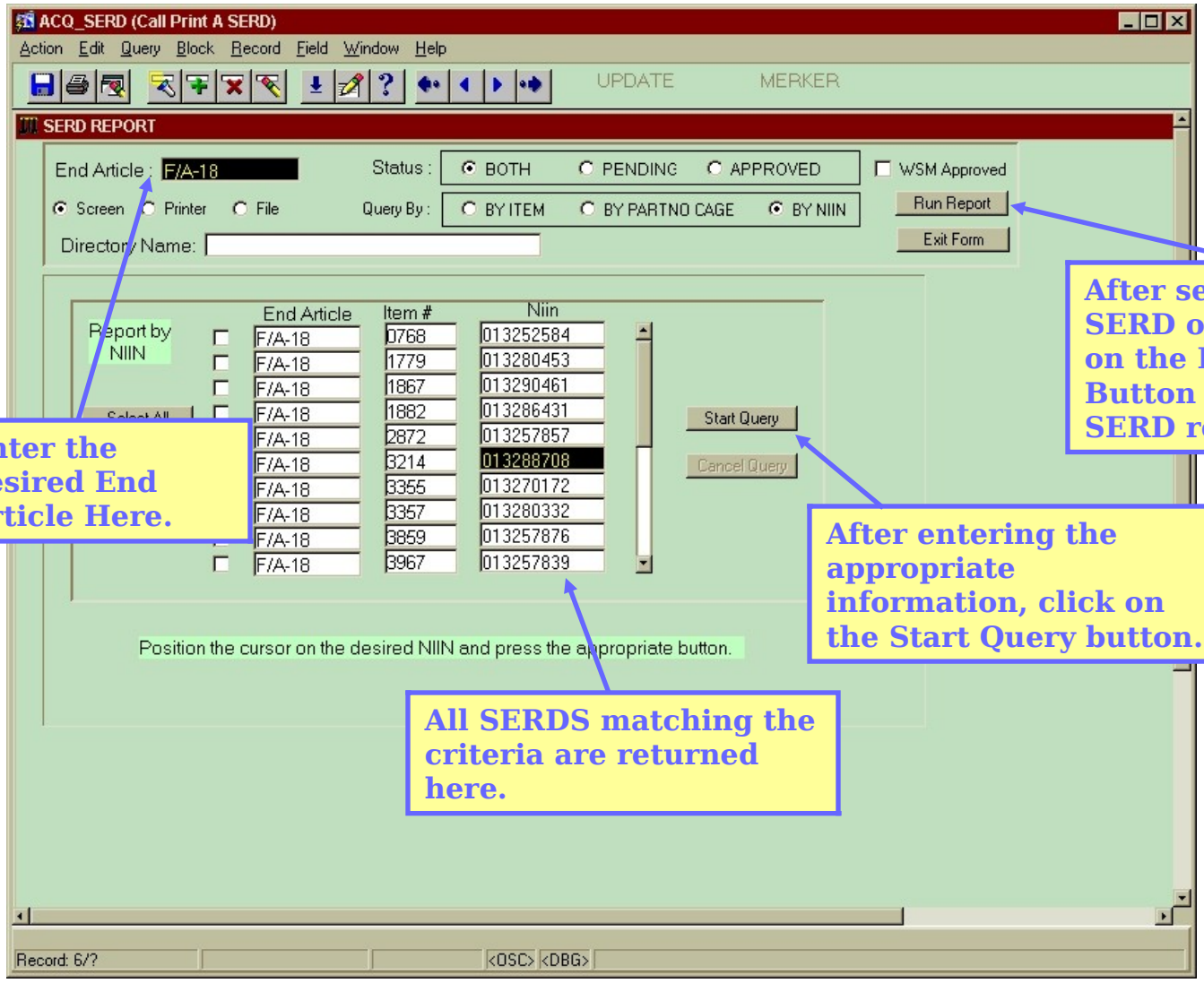
A new feature which is part of the Status Group on the left. The WSM button when checked will return all SERD which are WSM approved, but are still pending by NAVICP

The Status Fiel user choose to query only SERD which are pending or Approved, or Both.

This field allows the user to choose what fields they wish to use to query the SERD. If this field is changed then all previous Queries are deleted!

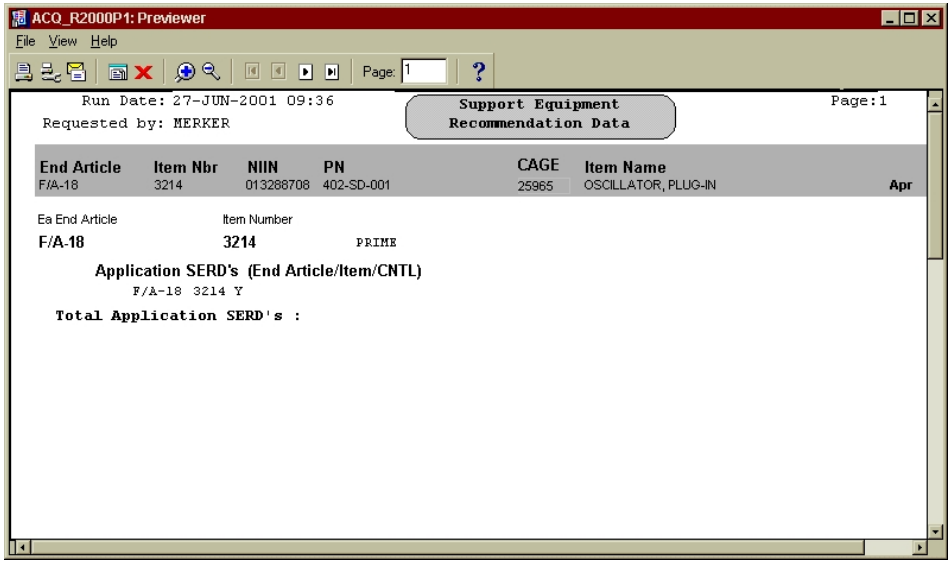
Print Serd Call Form - NIIN Sort

AUTOSERD PRINT A SERD REPORT

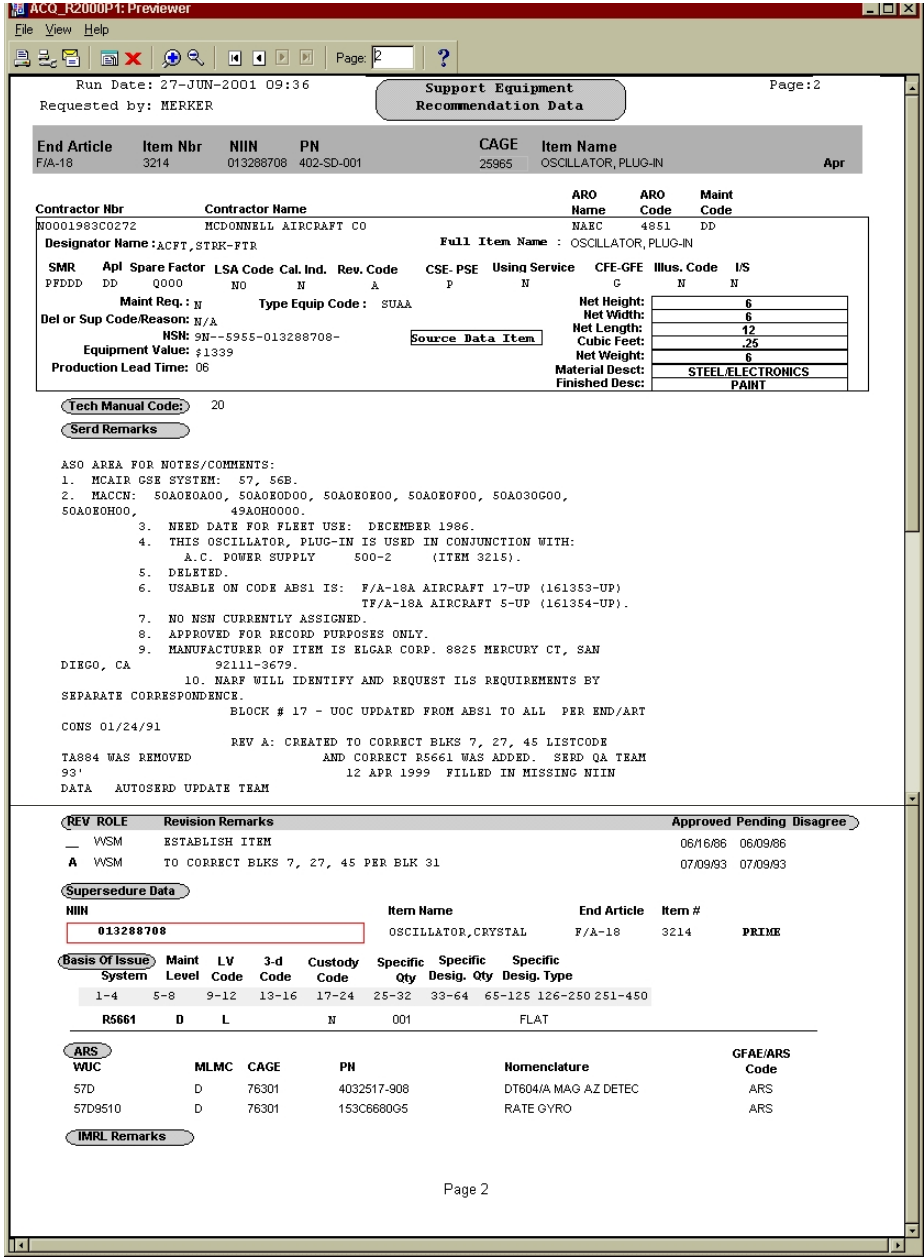

ACQ_SERD (Call Print A SERD)
Action Edit Query Block Record Field Window Help
UPDATE
MERKER
SERD REPORT
End Article : F/A-18
Status : BOTH PENDING APPROVED
WSM Approved
Screen Printer File
Query By : BY ITEM BY PARTNO CAGE BY NIIN
Run Report
Exit Form
Directory Name:
Report by NIIN
End Article
Item #
Niin
F/A-18 0768 013252584
F/A-18 1779 013280453
F/A-18 1867 013290461
F/A-18 1882 013286431
F/A-18 2872 013257857
F/A-18 3214 013288708
F/A-18 3355 013270172
F/A-18 3357 013280332
F/A-18 3859 013257876
F/A-18 3967 013257839
Start Query
Cancel Query
Position the cursor on the desired NIIN and press the appropriate button.
Record: 6/?
<OSC> <DBG>
Enter the desired End Article Here.
After selecting the SERD or SERDs, click on the Run Report Button to generate all SERD reports.
After entering the appropriate information, click on the Start Query button.
All SERDS matching the criteria are returned here.

Use the Checkboxes next to the returned data to choose which SERD reports to generate.

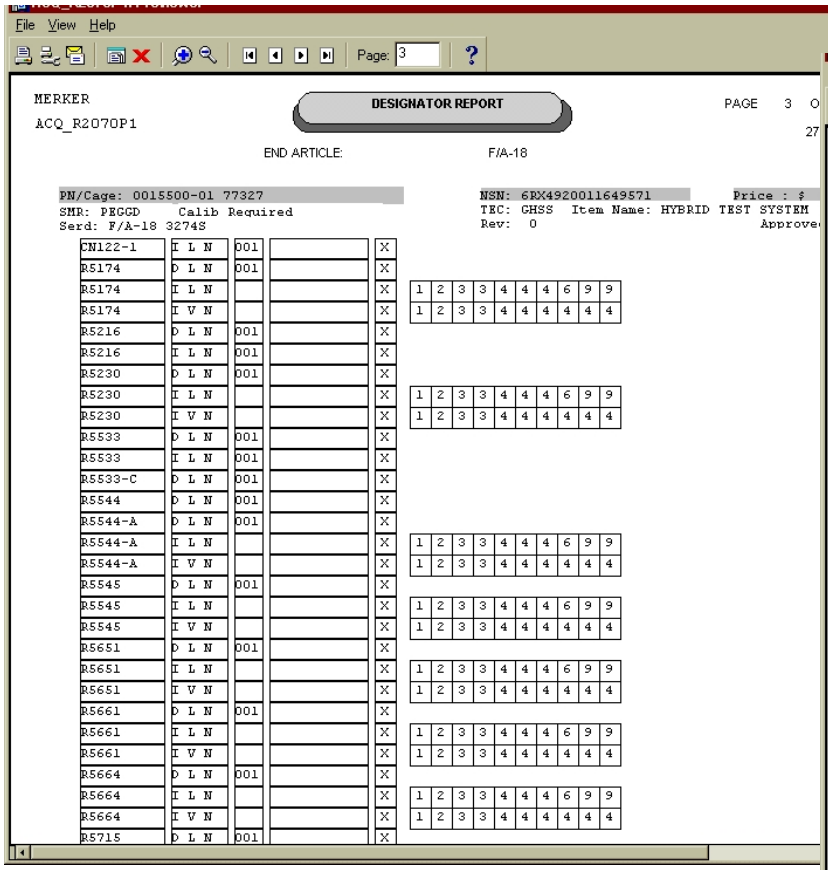
AUTOSERD PRINT A SERD REPORT

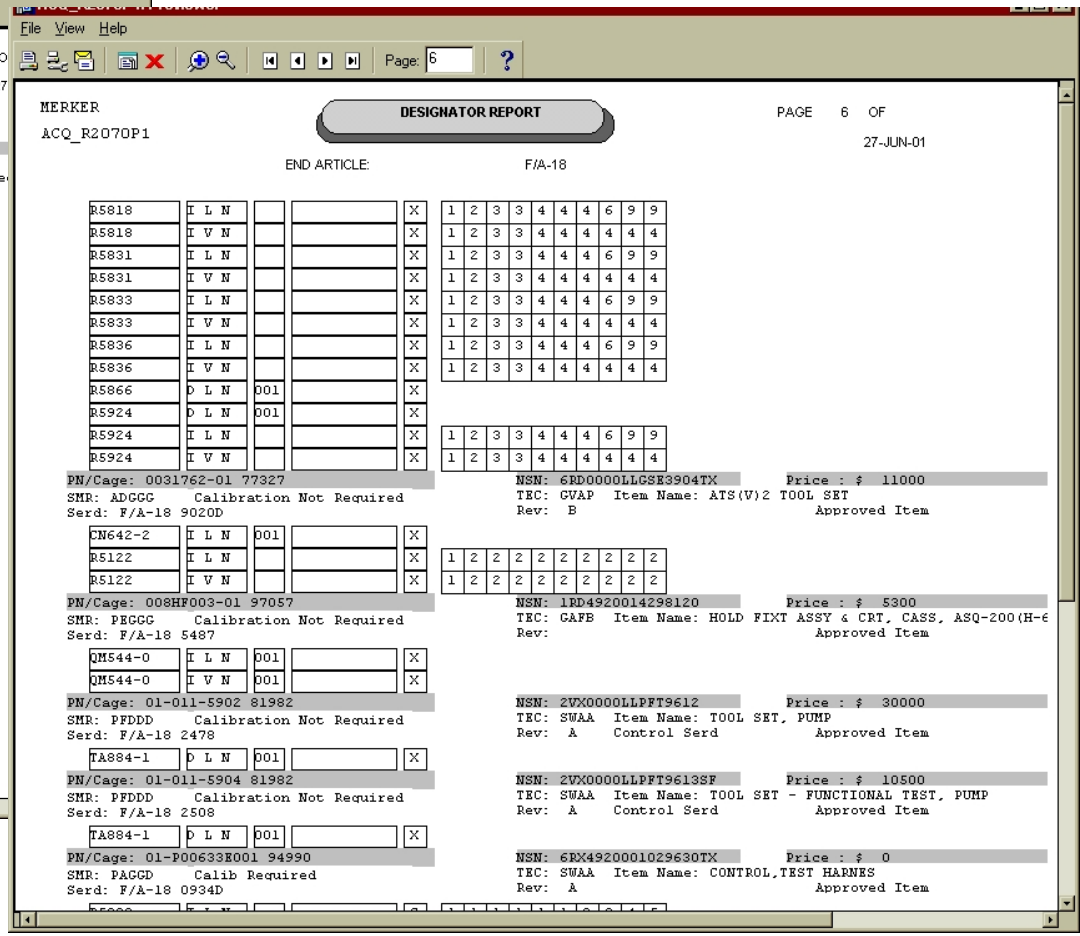


Sample Report


ACQ_R2000P1: Previewer
File View Help
Page: 2
Run Date: 27-JUN-2001 09:36
Requested by: MERKER
Support Equipment Recommendation Data
Page:2
End Article Item Nbr NIIN PN CAGE Item Name
F/A-18 3214 013288708 402-SD-001 25965 OSCILLATOR, PLUG-IN Apr
Contractor Nbr Contractor Name ARO Name ARO Code Maint Code
N0001983C027Z MCDONNELL AIRCRAFT CO NARC 4851 DD
Designator Name : ACFT,STRK-FTR
Full Item Name : OSCILLATOR, PLUG-IN
SMR Apl Spare Factor LSA Code Cal. Ind. Rev. Code CSE- PSE Using Service CFE-GFE Illus. Code I/S
PFDDD DD Q000 NO N A P N G N N
Maint Req. : N
Type Equip Code : SUAA
Del or Sup Code/Reason: N/A
NSN: 9N--5955-013288708-
Source Data Item
Equipment Value: $1339
Production Lead Time: 06
Net Height: 6
Net Width: 6
Net Length: 12
Cubic Feet: .25
Net Weight: 6
Material Descr: STEEL/ELECTRONICS
Finished Desc: PAINT
Tech Manual Code: 20
Serd Remarks
ASO AREA FOR NOTES/COMMENTS:
1. MCAIR GSE SYSTEM: 57, 56B.
2. MACCN: 50AOEOA00, 50AOEOD00, 50AOEOE00, 50AOEOF00, 50AO30G00, 50AOEOH00, 49AOH0000.
3. NEED DATE FOR FLEET USE: DECEMBER 1986.
4. THIS OSCILLATOR, PLUG-IN IS USED IN CONJUNCTION WITH: A.C. POWER SUPPLY 500-2 (ITEM 3215).
5. DELETED.
6. USABLE ON CODE ABS1 IS: F/A-18A AIRCRAFT 17-UP (161353-UP) TF/A-18A AIRCRAFT 5-UP (161354-UP).
7. NO NSN CURRENTLY ASSIGNED.
8. APPROVED FOR RECORD PURPOSES ONLY.
9. MANUFACTURER OF ITEM IS ELGAR CORP. 8825 MERCURY CT, SAN DIEGO, CA 92111-3679.
10. NARF WILL IDENTIFY AND REQUEST ILS REQUIREMENTS BY SEPARATE CORRESPONDENCE.
BLOCK # 17 - UOC UPDATED FROM ABS1 TO ALL PER END/ART CONS 01/24/91
REV A: CREATED TO CORRECT BLKS 7, 27, 45 LISTCODE TA884 WAS REMOVED AND CORRECT R5661 WAS ADDED. SERD QA TEAM 93'
12 APR 1999 FILLED IN MISSING NIIN
DATA AUTOSERD UPDATE TEAM
REV ROLE Revision Remarks Approved Pending Disagree
WSM ESTABLISH ITEM 06/16/86 06/09/86
A WSM TO CORRECT BLKS 7, 27, 45 PER BLK 31 07/09/93 07/09/93
Supersedure Data
NIIN Item Name End Article Item #
013288708 OSCILLATOR,CRYSTAL F/A-18 3214 PRIME
Basis Of Issue System Maint Level LV Code 3-d Code Custody Code Specific Qty Specific Desig. Qty Specific Desig. Type
1-4 5-8 9-12 13-16 17-24 25-32 33-64 65-125 126-250 251-450
R5661 D L N 001 FLAT
ARS
WUC MLMC CAGE PN Nomenclature GFAE/ARS Code
57D D 76301 4032517-908 DT604/A MAG AZ DETEC ARS
57D9510 D 76301 153C6680G5 RATE GYRO ARS
IMRL Remarks
Page 2

AUTOSERD STANDARD REPORTS





Currently viewed page is displayed at the top and all data is shown inside.